







## PFK-2 liv/tes Monoclonal Antibody

Catalog No         YP-mAb-14905           Isotype         IgG           Reactivity         Human;Mouse;Rat           Applications         WB           Gene Name         PFKFB1/PFKFB4           Protein Name         6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1/4           Immunogen         The antiserum was produced against synthesized peptide derived from human PFKFB1/4. AA range:331-380           Specificity         PFK-2 liv/tes Monoclonal Antibody detects endogenous levels of PFK-2 liv/tes protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-1:2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatae 4; 6PF-2-K/Fru-2,6-P2ase 4;           Observed Band         54kD           Cell Pathway         catalytic activity:ATP + D-fructose 6-phosphate.enzyme regulation:Phosphorylation resulty in the C-terminal		
Reactivity Human:Mouse;Rat  Applications WB  Gene Name PFKFB1/PFKFB4  Protein Name 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1/4  Immunogen The antiserum was produced against synthesized peptide derived from human PFKFB1/4. AA range:331-380  Specificity PFK-2 liv/tes Monoclonal Antibody detects endogenous levels of PFK-2 liv/tes protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse,IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-1:2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band 54kD  Cell Pathway cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Tissue Specificity Liver.  Function catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate; similarity:In the C-terminal section, belongs to the phosphofylocerate mutase family, subunit:Homodimer, tissue specificity/Liver,  Background Franchism and penalty mutanger fructose-2,6-biphosphatase enzyme gottom fems a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer tha	Catalog No	YP-mAb-14905
Applications WB  Gene Name PFKFB1/PFKFB4  Protein Name 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1/4  Immunogen The antiserum was produced against synthesized peptide derived from human PFKFB1/4. AA range:331-380  Specificity PFK-2 liv/tes Monoclonal Antibody detects endogenous levels of PFK-2 liv/tes protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-1:2000  Concentration 1 mg/ml  Purity 290%  Storage Stability -20*C/1 year  Synonyms PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band 54kD  Cell Pathway cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Tissue Specificity Liver.  Function catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate; similarity-in the C-ferninal section, belongs to the phosphoglycerate mutase family, subunit-fromodimer, dissue specificity/Liver, brows and degradation of fructose 6-phosphate; milarity-in the C-ferninal section, belongs to the phosphoglycerate mutase family, subunit-fromodimer, dissue specificity/Liver,  Background 7 This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase and degradation of fructore of the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis	Isotype	IgG
Gene Name PFKFB1/PFKFB4  Protein Name 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1/4  Immunogen The antiserum was produced against synthesized peptide derived from human PFKFB1/4. AA range:331-380  Specificity PFK-2 liv/tes Monoclonal Antibody detects endogenous levels of PFK-2 liv/tes protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-1:2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band 54kD  Cell Pathway cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Tissue Specificity Liver.  Function catalytic activity-ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate, enzyme regulation:Phosphorylation results in inhibition of the kinase activity, Linction-Synthesis and degradation of fructose 2,6-bisphosphate, similarity. In the C-terminal section; belongs to the phosphoglycerate mutase family, subunit: Homodimer, tissue specificity:Liver, Torne of the family of bifunctional 6-phosphofructo-2-kinase: family, subunit: Homodimer. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of fructose forms a homodimer that catalyzes both the synthesis and degradation of fructose forms a homodimer that catalyzes both the synthesis and degradation of fructose forms a homodimer that catalyzes both the synthesis and degradation of fructose forms a homodimer that catalyzes both the synthesis and degradation of fructose forms a homodimer that catalyzes both the synthesis and degradation of fructose forms a homodimer that cata	Reactivity	Human;Mouse;Rat
Immunogen	Applications	WB
Immunogen         The antiserum was produced against synthesized peptide derived from human PFKFB1/4. AA range:331-380           Specificity         PFK-2 liv/tes Monoclonal Antibody detects endogenous levels of PFK-2 liv/tes protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse,igG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-1:2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;           Observed Band         54kD           Cell Pathway         cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,           Tissue Specificity         Liver.           Function         catalytic activity:ATP + D-fructose 6-phosphate - ADP + beta-D-fructose 2,6-bisphosphate, similarity:In the C-terminal section: belongs to the phosphoflytion of the kinase activity; Junction:Synthesis and degradation of fructose 2,6-bisphosphate, similarity:In the C-terminal section: belongs to the phosphoflytot-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer	Gene Name	PFKFB1/PFKFB4
PFKFB1/4. AA range:331-380  Specificity PFK-2 liv/tes Monoclonal Antibody detects endogenous levels of PFK-2 liv/tes protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-1:2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band 54kD  Cell Pathway cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Tissue Specificity Liver.  Function catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate, catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate, enzyme regulation:Phosphorylation results in inhibition of the kinase activity, function:Synthesis and degradation of fructose 2,6-bisphosphate, similarity:In the C-terminal section; belongs to the phosphofructo-2-kinase/fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of forms.	Protein Name	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1/4
Promulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-1:2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band 54kD  Cell Pathway cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Tissue Specificity Liver.  Function catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate, catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate, enzyme regulation:Phosphorylation results in inhibition of the kinase activity, function:Synthesis and degradation of fructose 2,6-bisphosphate,.similarity:In the C-terminal section; belongs to the phosphodylocrate mutase family, subunit:Homodimer, tissue specificity:Liver.  Background f-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of forms a homodimer that catalyzes both the synthesis and degradation of	Immunogen	
Source       Monoclonal, Mouse,IgG         Purification       The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-1:2000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;         Observed Band       54kD         Cell Pathway       cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,         Tissue Specificity       Liver.         Function       catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate, catalytic activity:Beta-D-fructose 2,6-bisphosphorylation results in inhibition of the kinase activity.,function:Synthesis and degradation of fructose 2,6-bisphosphate, similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family, subunit:Homodimer., tissue specificity:Liver.,         Background       This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Specificity	PFK-2 liv/tes Monoclonal Antibody detects endogenous levels of PFK-2 liv/tes protein.
Purification  The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-1:2000  Concentration  1 mg/ml  Purity  290%  Storage Stability  -20°C/1 year  Synonyms  PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/BPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band  54kD  Cell Pathway  cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Tissue Specificity  Liver.  Function  catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate, catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate, enzyme regulation:Phosphorylation results in inhibition of the kinase activity, function:Synthesis and degradation of fructose 2,6-bisphosphate, similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family, subunit:Homodimer, tissue specificity:Liver.,  This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-1:2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band  54kD  Cell Pathway  cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Tissue Specificity  Liver.  Function  catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate, catalytic activity. Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphate, enzyme regulation:Phosphorylation results in inhibition of the kinase activity., function:Synthesis and degradation of fructose 2,6-bisphosphate, similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family., subunit:Homodimer., tissue specificity:Liver.,  Background  This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphates enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Source	Monoclonal, Mouse,IgG
Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band 54kD  Cell Pathway cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Tissue Specificity Liver.  Function catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate.,catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate,enzyme regulation:Phosphorylation results in inhibition of the kinase activity, function:Synthesis and degradation of fructose 2,6-bisphosphate.,similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family.,subunit:Homodimer.,tissue specificity:Liver.,  Background This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Purification	affinity-chromatography using epitope-specific immunogen.
Purity ≥90%  Storage Stability -20°C/1 year  Synonyms PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band 54kD  Cell Pathway cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Tissue Specificity Liver.  Function catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate.,catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphate.,enzyme regulation:Phosphorylation results in inhibition of the kinase activity, function:Synthesis and degradation of fructose 2,6-bisphosphate.,similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family.,subunit:Homodimer.,tissue specificity:Liver.,  Background This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Dilution	WB 1:500-1:2000
Storage Stability  -20°C/1 year  PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band  54kD  Cell Pathway  cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Liver.  Function  catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate.,catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphate.,enzyme regulation:Phosphorylation results in inhibition of the kinase activity, function:Synthesis and degradation of fructose 2,6-bisphosphate.,similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family.,subunit:Homodimer,tissue specificity:Liver.,  This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Concentration	1 mg/ml
Synonyms  PFKFB1; F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band  54kD  Cell Pathway  cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Liver.  Function  catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate.,catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphate.,enzyme regulation:Phosphorylation results in inhibition of the kinase activity, function:Synthesis and degradation of fructose 2,6-bisphosphate.,similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family.,subunit:Homodimer.,tissue specificity:Liver.,  This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Purity	≥90%
1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; 6PF-2-K/Fru-2,6-P2ase 4;  Observed Band 54kD  Cell Pathway cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Liver.  Function catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphatecatalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphateenzyme regulation:Phosphorylation results in inhibition of the kinase activity.,function:Synthesis and degradation of fructose 2,6-bisphosphatesimilarity:In the C-terminal section; belongs to the phosphoglycerate mutase family.,subunit:Homodimer.,tissue specificity:Liver.,  This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Storage Stability	-20°C/1 year
Cell Pathway  cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,  Liver.  Function  catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate.,catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphate.,enzyme regulation:Phosphorylation results in inhibition of the kinase activity.,function:Synthesis and degradation of fructose 2,6-bisphosphate.,similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family.,subunit:Homodimer.,tissue specificity:Liver.,  Background  This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Synonyms	1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme; PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4;
Tissue Specificity  Liver.  Catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate.,catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphate.,enzyme regulation:Phosphorylation results in inhibition of the kinase activity.,function:Synthesis and degradation of fructose 2,6-bisphosphate.,similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family.,subunit:Homodimer.,tissue specificity:Liver.,  Background  This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Observed Band	54kD
Function  catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2,6-bisphosphate.,catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphate.,enzyme regulation:Phosphorylation results in inhibition of the kinase activity.,function:Synthesis and degradation of fructose 2,6-bisphosphate.,similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family.,subunit:Homodimer.,tissue specificity:Liver.,  This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Cell Pathway	cytosol,6-phosphofructo-2-kinase/fructose-2,6-biphosphatase complex,
2,6-bisphosphate.,catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphate.,enzyme regulation:Phosphorylation results in inhibition of the kinase activity.,function:Synthesis and degradation of fructose 2,6-bisphosphate.,similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family.,subunit:Homodimer.,tissue specificity:Liver.,  This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Tissue Specificity	Liver.
6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of	Function	2,6-bisphosphate.,catalytic activity:Beta-D-fructose 2,6-bisphosphate + H(2)O = D-fructose 6-phosphate + phosphate.,enzyme regulation:Phosphorylation results in inhibition of the kinase activity.,function:Synthesis and degradation of fructose 2,6-bisphosphate.,similarity:In the C-terminal section; belongs to the
	Background	6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of



## UpingBio technology Co.,Ltd







Fructose-2,6-biphosphate is an activator of the glycolysis pathway and an inhibitor of the gluconeogenesis pathway. Consequently, regulating fructose-2,6-biphosphate levels through the activity of this enzyme is thought to regulate glucose homeostasis. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2012],

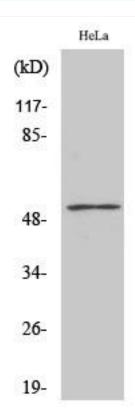
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis of various cells using PFK-2 liv/tes Monoclonal Antibody