



PFK-2 car (Phospho Ser466) Rabbit pAb

Catalog No	YP-Ab-17331
Isotype	IgG
Reactivity	Human, Mouse,Rat
Applications	IHC,WB
Gene Name	PFKFB2
Immunogen	Synthesized peptide derived from human PFKFB2 (Phospho Ser466)
Specificity	This antibody detects endogenous levels of PFKFB2 (Phospho Ser466) Rabbit pAb at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Rabbit,polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000 IHC 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	6 phosphofructo 2 kinase/ fructose 2;6 biphosphatase;6 phosphofructo 2 kinase/fructose 2;6 biposphatase 3;6-bisphosphatase;6-P2ase 3;6-P2ASE brain/placenta-type isozyme;6PF 2 K/Fru 2;6 P2ASE brain/placenta type isozyme;6PF 2-K/Fru 2;6 P2ase 3;6PF-2-K/Fru-2;F263 HUMAN;fructose 6 phosphate;2 kinase/fructose 2;Fructose-2;Inducible 6 phosphofructo 2 kinase/ fructose 2;iPFK 2;iPFK-2;IPFK2;PFK/FBPase 3;PFK2;PFKFB3;Renal carcinoma antigen NY REN 56;Renal carcinoma antigen NY-REN-56;uPFK 2;PFK-2 car; PFKFB2;6-phosphofructo-2-kinase/fructose-2;6-bisphosphatase 2 (6PF-2-K/Fru-2;6-P2ase 2) (PFK/FBPase 2) (6PF-2-K/Fru-2;6-P2ase heart-type isozyme) [Includes: 6-phosphofructo-2-kinase (EC 2.7.1.105);Fructose-;6-bisphosphatase (EC 3.1.3.46)]
Observed Band	58kD
Calculated Molecular Weight	58kD
Cell Pathway	
Tissue Specificity	Heart.



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 the activation 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:Heart.,

Background

6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2(PFKFB2) Homo sapiens The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-biphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

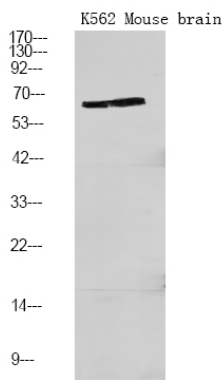
matters needing attention

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 K562 Mouse brain using primary antibody at 1:1000 dilution 4°C, overnight. Secondary antibody(catalog#:RS23920) was diluted at 1:10000 25°C, 1.5hours