



PFK-C Monoclonal Antibody

Catalog No	YP-mAb-14907
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PFKP
Immunogen	The antiserum was produced against synthesized peptide derived from human K6PP. AA range:341-390
Specificity	PFK-C Monoclonal Antibody detects endogenous levels of PFK-C 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	6-phosphofructokinase type C;ATP-dependent 6-phosphofructokinase;platelet type;ATP-PFK;EC:2.7.1.11;PFK-C;PFKP;PFKF;6-phosphofructokinase; Phosphofructo-1-kinase isozyme C;Phosphofructokinase 1;Phosphohexokinase
Observed Band	84kD
Calculated Molecular Weight	84kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Brain,Epithelium,Kidney,Pancreatic islet,Placenta,Prostate,
Function	catalytic activity:ATP + D-fructose 6-phosphate = ADP + D-fructose 1,6-bisphosphate.,cofactor:Magnesium.,enzyme regulation:Allosteric enzyme activated by ADP, AMP, or fructose bisphosphate and inhibited by ATP or citrate.,miscellaneous:In human PFK exists as a system of 3 types of subunits, PFKM (muscle), PFKL (liver) and PFKP (platelet) isoenzymes., pathway:Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 3/4.,similarity:Belongs to the phosphofructokinase family. Two domains subfamily.,subunit:Tetramer. Muscle is M4, liver is L4, and red cell is M3L, M2L2, or ML3. A subunit composition with a higher proportion of platelet type subunits is found in platelets, brain and



fibroblasts.,

Background

This gene encodes a member of the phosphofructokinase A protein family. The encoded enzyme is the platelet-specific isoform of phosphofructokinase and plays a key role in glycolysis regulation. This gene may play a role in metabolic reprogramming in some cancers, including clear cell renal cell carcinomas, and cancer of the bladder, breast, and lung. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016],

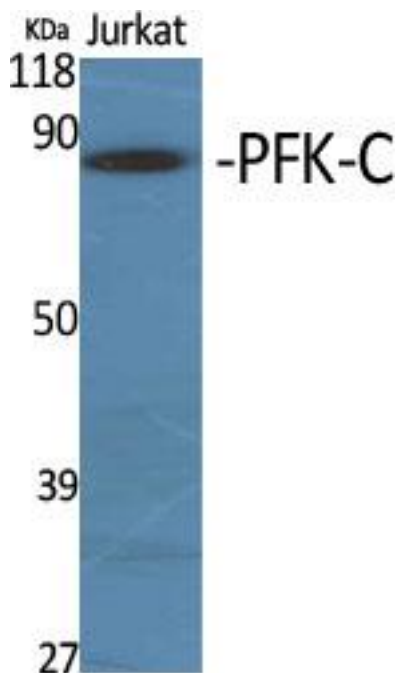
matters needing attention

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-C Monoclonal Antibody