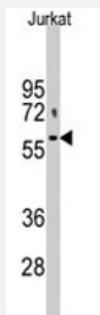


PFKFB1 polyclonal antibody

Catalog # PAB4020

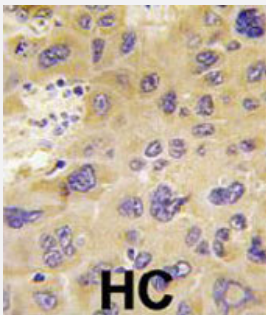
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of PFKFB1 polyclonal antibody (Cat # PAB4020) in Jurkat cell lysate (35 ug/lane). PFKFB1 (arrow) was detected using the purified polyclonal antibody (1 : 240 dilution).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma reacted with PFKFB1 polyclonal antibody (Cat # PAB4020) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PFKFB1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PFKFB1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PFKFB1

Entrez GeneID	5207
Protein Accession#	F261_HUMAN
Gene Name	PFKFB1
Gene Alias	F6PK, HL2K, MGC116715, MGC116717, PFRX
Gene Description	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1
Omim ID	311790
Gene Ontology	Hyperlink

Gene Summary

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 fructose-2,6-biphosphate using independent catalytic domains. 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. [provided by RefSeq]

Other Designations

6PF-2-K/Fru-2,6-P2ASE liver isozyme|OTTHUMP00000023391|fructose-2,6-bisphosphatase|fructose-6-phosphate,2-kinase:fructose-2,6-bisphosphatase

Publication Reference

- [Sequence of human liver 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase.](#)

Lange AJ, Pilkis SJ.

Nucleic Acids Research 1990 Jun; 18(12):3652.

- [Molecular cloning, sequence analysis, and expression of a human liver cDNA coding for fructose-6-P,2-kinase:fructose-2,6-bisphosphatase.](#)

Algaier J, Uyeda K.

Biochemical and Biophysical Research Communications 1988 May; 153(1):328.

Application: WB-Ti, Rat, Liver

Pathway

- [Fructose and mannose metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)