

Rabbit PFKFB1 Polyclonal Antibody | anti-PFKFB1 antibody

PFKFB1 Antibody (N-term)

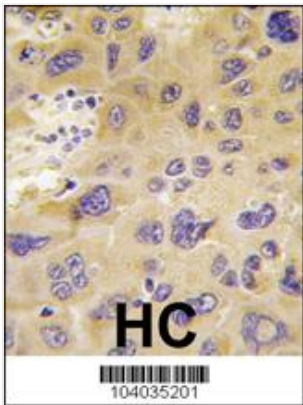
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287013	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

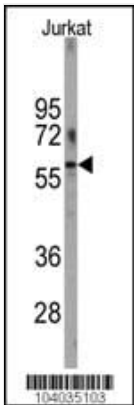
PFKFB1; Polyclonal Antibody; PFKFB1 Antibody (N-term); 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 1; 6PF-2-K/Fru-2; 6-P2ase 1; PFK/FBPase 1; 6-P2ase liver isozyme; 6-phosphofructo-2-kinase; Fructose-2; 6-bisphosphatase; F6PK; PFRX; anti-PFKFB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PFKFB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-43 amino acids from the N-terminal region of human PFKFB1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	13-43
Sequence Length	449
Applicable Applications for anti-PFKFB1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PFKFB1 antibody (N-term), 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.



WB (Western Blot)
Western blot analysis of anti-PFKFB1 Antibody (N-term) in Jurkat cell line lysates (35ug/lane). PFKFB1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PFKFB1 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The AGC kinase group consists of 63 kinases including the cyclic nucleotide-regulated protein kinase (PKA & PKG) family, the diacylglycerol-activated/phospholipid-dependent protein kinase C (PKC) family, the related to PKA and PKC (RAC/Akt) protein kinase family, the kinases that phosphorylate G protein-coupled receptors family (ARK), and the kinases that phosphorylate ribosomal protein S6 family (RSK).
Product Categories/Family for anti-PFKFB1 antibody	Cancer; Cardiovascular; Metabolism; Neuroscience; Signal transduction
References	Algaier, J., et al., Biochem. Biophys. Res. Commun. 153(1):328-333 (1988). Lange, A.J., et al., Nucleic Acids Res. 18 (12), 3652 (1990).

NCBI AND UNIPROT INFORMATION

NCBI GI #	424036667
NCBI GeneID	5207
NCBI Accession #	NP_001258733.1; NP_002616.2
NCBI GenBank Nucleotide #	NM_001271804.1
UniProt Accession #	P16118; Q5JXS5; Q99951; B2RA88; B4DUN5
Molecular Weight	54681
NCBI Official Full Name	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1 isoform 2
NCBI Official Synonym Full Names	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1
NCBI Official Symbol	PFKFB1
NCBI Official Synonym Symbols	F6PK; HL2K; PFRX
NCBI Protein Information	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1
UniProt Protein Name	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1

UniProt Gene Name	PFKFB1
UniProt Synonym Gene Names	F6PK; PFRX; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1
UniProt Entry Name	F261_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pfkfb1-antibody-immunohistochemistry-western-blot-elisa/287013>