

Rabbit anti-Human PFKFB2 Polyclonal Antibody | anti-PFKFB2 antibody

PFKFB2 Antibody (N-term)

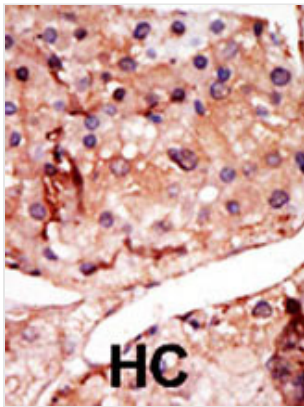
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286272	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

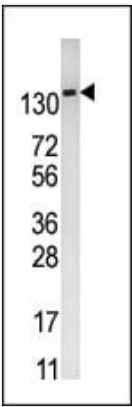
PFKFB2; Polyclonal Antibody; PFKFB2 Antibody (N-term); 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 2; 6PF-2-K/Fru-2; 6-P2ase 2; PFK/FBPase 2; 6-P2ase heart-type isozyme; 6-phosphofructo-2-kinase; Fructose-2; 6-bisphosphatase; anti-PFKFB2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PFKFB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PFKFB2.
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	1-30
Sequence Length	471
Applicable Applications for anti-PFKFB2 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 (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-PFKFB2 Pab in mouse kidney tissue lysate (35ug/lane). PFKFB2(arrow) was detected using the purified Pab

ADDITIONAL INFORMATION

Related Product Information for anti-PFKFB2 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g 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-PFKFB2 antibody	Cancer; Cardiovascular; Metabolism; Neuroscience; Signal transduction
References	Soejima, H., et al., Genomics 74(1):115-120 (2001). Heine-Suner, D., et al., Eur. J. Biochem. 254(1):103-110 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	64762445
NCBI GeneID	5208
NCBI Accession #	NP_001018063.1; NP_006203.2
NCBI GenBank Nucleotide #	NM_001018053.1
UniProt Accession #	O60825; O60824; Q5VVQ3; Q5VVQ4; Q9H3P1
Molecular Weight	58477
NCBI Official Full Name	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 isoform b
NCBI Official Synonym Full Names	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2
NCBI Official Symbol	PFKFB2
NCBI Official Synonym Symbols	PFK-2/FBPase-2
NCBI Protein Information	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2
UniProt Protein Name	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2

UniProt Gene Name	PFKFB2
UniProt Synonym Gene Names	6PF-2-K/Fru-2,6-P2ase 2; PFK/FBPase 2
UniProt Entry Name	F262_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/pfkfb2-antibody-immunohistochemistry-western-blot-elisa/286272>