

Rabbit PFKFB3 Polyclonal Antibody | anti-PFKFB3 antibody

PFKFB3 Antibody (C-term)

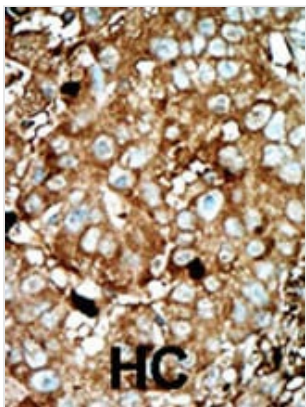
CATALOG # AAA287082	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

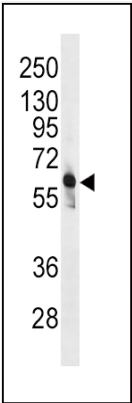
PFKFB3; Polyclonal Antibody; PFKFB3 Antibody (C-term); 6-phosphofructo-2-kinase/fructose-2; 6-bisphosphatase 3; 6PF-2-K/Fru-2; 6-P2ase 3; PFK/FBPase 3; 6-P2ase brain/placenta-type isozyme; Renal carcinoma antigen NY-REN-56; iPFK-2; 6-phosphofructo-2-kinase; Fructose-2; 6-bisphosphatase; anti-PFKFB3 antibody

PRODUCT SPECIFICATIONS

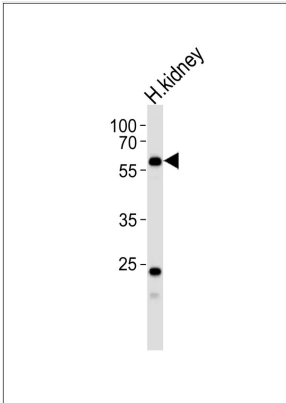
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PFKFB3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 454-484 amino acids from the C-terminal region of human PFKFB3.
Purity/Purification	Purified 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	454-484
Sequence Length	534
Applicable Applications for anti-PFKFB3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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 cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC 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-PFKFB3 Antibody (C-term) in CEM cell line lysates (35ug/lane). PFKFB3(arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of lysate from human kidney tissue lysate, using PFKFB3 Antibody (E469). AAA287082 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-PFKFB3 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-PFKFB3 antibody	Crown Antibodies; Cancer; Cardiovascular; Metabolism; Signal Transduction
References	Navarro-Sabate, A., et al., Gene 264(1):131-138 (2001). Chesney, J., et al., Proc. Natl. Acad. Sci. U.S.A. 96(6):3047-3052 (1999). Sakakibara, R., et al., J. Biochem. 122(1):122-128 (1997). Hamilton, J.A., et al., Mol. Endocrinol. 11(4):490-502 (1997). Sakai, A., et al., J. Biochem. 119(3):506-511 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	224282149
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NCBI GeneID	5209
NCBI Accession #	NP_001138915.1; NP_004557.1
NCBI GenBank Nucleotide #	NM_001145443.1
UniProt Accession #	Q16875; O43622; O75902; Q5VX15; Q5VX18; Q5VX19; B7Z955
Molecular Weight	59609
NCBI Official Full Name	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3 isoform 2
NCBI Official Synonym Full Names	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
NCBI Official Symbol	PFKFB3
NCBI Official Synonym Symbols	PFK2; IPFK2
NCBI Protein Information	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3
UniProt Protein Name	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3
UniProt Gene Name	PFKFB3
UniProt Synonym Gene Names	6PF-2-K/Fru-2,6-P2ase 3; PFK/FBPase 3
UniProt Entry Name	F263_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://www.aaabiotech.com/polyclonal/pfkfb3-antibody-immunohistochemistry-western-blot-elisa/287082>