

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

PFKP Antibody (C-term)

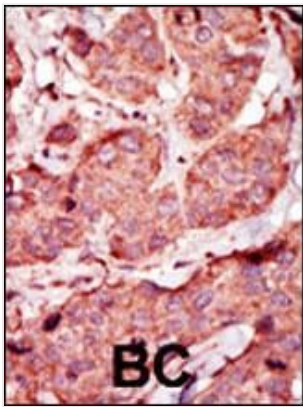
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284444	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

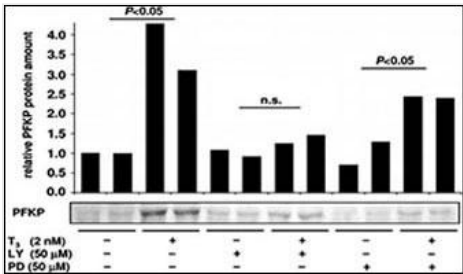
PFKP; Polyclonal Antibody; PFKP Antibody (C-term); ATP-dependent 6-phosphofructokinase; platelet type {ECO:0000255|HAMAP-Rule:MF_03184}; ATP-PFK {ECO:0000255|HAMAP-Rule:MF_03184}; PFK-P; 27111 {ECO:0000255|HAMAP-Rule:MF_03184}; 6-phosphofructokinase type C; Phosphofructo-1-kinase isozyme C; PFK-C; Phosphohexokinase {ECO:0000255|HAMAP-Rule:MF_03184}; PFKF; anti-PFKP antibody

PRODUCT SPECIFICATIONS

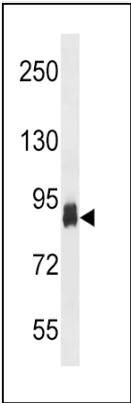
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PFKP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 754-784 amino acids from the C-terminal region of human PFKP.
Purity/Purification	Purified Rabbit Polyclonal Antibody (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	754-784
Sequence Length	776
Applicable Applications for anti-PFKP 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 (Immunohistochemisry)
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)
Fibroblasts were cultured for 2 d in DMEM supplemented with 10% TH-depleted bovine serum. They were then treated with 2 nM T3 in the absence or presence of either LY294002 (LY, 50 M) or PD98059 (PD, 50 M), added 1 h before the addition of T3. Cells were harvested 24 h after T3 treatment. Whole-cell lysates, obtained from two separately treated culture dishes for each treatment, were subjected to WB with anti-PFKP. (Mol. Endocrinol. 2005 Dec 01;19(12):2955-2963)



WB (Western Blot)
PFKP Antibody (D769) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the PFKP antibody detected the PFKP protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PFKP 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-PFKP antibody	Cancer; Metabolism; Signal Transduction
References	Adam, G.C., et al., Mol. Cell Proteomics 1(10):828-835 (2002). Bonaldo, M.F., et al., Genome Res. 6(9):791-806 (1996). Morrison, N., et al., Hum. Genet. 89(1):105-106 (1992). Simpson, C.J., et al., Biochem. Biophys. Res. Commun. 180(1):197-203 (1991). Nakajima, H., et al., FEBS Lett. 223(1):113-116 (1987).

NCBI AND UNIPROT INFORMATION

NCBI GI #	334191701
NCBI GeneID	5214
NCBI Accession #	NP_001229268.1; NP_002618.1
NCBI GenBank Nucleotide #	NM_001242339.1
UniProt Accession #	Q01813; Q5VSR7; Q5VSR8; B3KS15
Molecular Weight	85596
NCBI Official Full Name	ATP-dependent 6-phosphofructokinase, platelet type isoform 2
NCBI Official Synonym Full Names	phosphofructokinase, platelet
NCBI Official Symbol	PFKP
NCBI Official Synonym Symbols	PFKF; PFK-C; PFK-P; ATP-PFK
NCBI Protein Information	ATP-dependent 6-phosphofructokinase, platelet type
UniProt Protein Name	ATP-dependent 6-phosphofructokinase, platelet type
UniProt Gene Name	PFKP
UniProt Synonym Gene Names	PFKF; ATP-PFK; PFK-P
UniProt Entry Name	PFKAP_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/pfkp-antibody-immunohistochemistry-western-blot-elisa/284444>