

Rabbit anti-Human, mouse PFKL Polyclonal Antibody | anti-PFKL antibody

PFKL Antibody (C-term L684)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289213	Rabbit	Human, mouse	Western Blot, Immunohistochemistry, ELISA

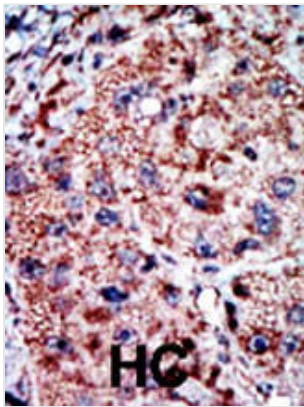
PRODUCT SYNONYMS

PFKL; Polyclonal Antibody; PFKL Antibody (C-term L684); ATP-dependent 6-phosphofructokinase; liver type {ECO:0000255|HAMAP-Rule:MF_03184}; ATP-PFK {ECO:0000255|HAMAP-Rule:MF_03184}; PFK-L; 27111 {ECO:0000255|HAMAP-Rule:MF_03184}; 6-phosphofructokinase type B; Phosphofructo-1-kinase isozyme B; PFK-B; Phosphohexokinase {ECO:0000255|HAMAP-Rule:MF_03184}; anti-PFKL antibody

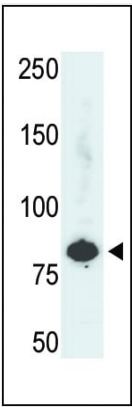
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PFKL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 669-699 amino acids from the C-terminal region of human PFKL.
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	669-699
Sequence Length	780
Applicable Applications for anti-PFKL antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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.

IMAGES



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 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)
The anti-PFKL Pab is used in Western blot to detect PFKL in HepG2 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-PFKL antibody	Phosphofructokinase (PFK), a major regulatory enzyme in all cells of the body, catalyzes the metabolism of sugar, and thereby is pivotal in the production of energy to maintain normal cell function. In human there are three structural loci controlling PFK: M (muscle), L (liver), and P (platelet) type subunits, which are variably expressed in different tissues; human diploid fibroblasts and leukocytes express all three genes. PFK, a tetramer formed by the random association of the products of two separate gene loci to form the five possible tetramers. PFKs of muscle and liver are homotetramers of the M and L subunits, respectively. Red cells have all five isozymes: M4, M3L, M2L2, ML3, and L4. PFK is an allosteric enzyme activated by ADP, AMP, or fructose bisphosphate and inhibited by ATP or citrate. PFK catalyzes the key controlling step of glycolytic pathway. PFK deficiency can present as mild to life-threatening episodic illness. A hallmark sign of this disease is intermittent dark urine, with the color of the urine ranging from orange to dark coffee-brown, which commonly develops following strenuous exercise. The mean red cell PFK is elevated in persons with Down syndrome.
Product Categories/Family for anti-PFKL antibody	Cancer; Signal Transduction
References	Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Hattori, M., et al., Nature 405(6784):311-319 (2000). Elson, A., et al., Genomics 7(1):47-56 (1990). Levanon, D., et al., DNA 8(10):733-743 (1989).

NCBI AND UNIPROT INFORMATION

NCBI GI #	48762920
NCBI GeneID	5211
NCBI Accession #	NP_002617.3
NCBI GenBank Nucleotide #	NM_002626.5
UniProt Accession #	P17858; Q96A64; Q96IH4; Q9BR91
Molecular Weight	85018
NCBI Official Full Name	ATP-dependent 6-phosphofructokinase, liver type isoform b
NCBI Official Synonym Full Names	phosphofructokinase, liver
NCBI Official Symbol	PFKL
NCBI Official Synonym Symbols	PFK-B; PFK-L; ATP-PFK

NCBI Protein Information	ATP-dependent 6-phosphofructokinase, liver type
UniProt Protein Name	ATP-dependent 6-phosphofructokinase, liver type
UniProt Gene Name	PFKL
UniProt Synonym Gene Names	ATP-PFK; PFK-L
UniProt Entry Name	PFKAL_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/pfkl-antibody-western-blot-immunohistochemistry-elisa/289213>