Mouse PFKP Monoclonal Antibody | anti-PFKP antibody

PFKP antibody

CATALOG #	HOST	APPLICATIONS
AAA106648	**Mouse**	**Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

PFKP; Monoclonal Antibody; PFKP antibody; Monoclonal PFKP; Anti-PFKP; 6 Phosphofructokinase Muscle Type; EC 2.7.1.11; GSD7; MGC8699; PFKA; PFKL; PFKM; PFKX; Phosphofructo 1 Kinase Isozyme A; Phosphofructokinase 1; anti-PFKP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2F2
Purity/Purification	PFKP antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	784
Applicable Applications for anti-PFKP antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	PFKP catalyzes the conversion of ATP + D-fructose 6-phosphate to ADP + D-fructose 1, 6-bisphosphate and therefore is a key enzyme in the control of glycolysis and carbohydrate degradation. This is a unidirectional and rate-limiting step in glycolysis. Allosteric kinetics control activation by ADP, AMP, or fructose bisphosphate and inhibition by ATP or citrate. The enzyme exists as a homotetramer.
Cross-Reactivity	Human, Monkey
Immunogen	PFKP antibody was raised in mouse using a full length recombinant protein of human PFKP (NP_002618) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IHC (Immunohistochemisry)
Immunohistochemical analysis of PFKP protein in paraffin embedded Human Kidney tissue using PFKP antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PFKP protein (Right) or empty vector (Left) detected with PFKP antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of Hela cells using PFKP antibody (Red), compared to a nonspecific negative control antibody (Blue).

ADDITIONAL INFORMATION

Related Product Information for anti-PFKP antibody	Mouse monoclonal PFKP antibody
Product Categories/Family for anti-PFKP antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321601
NCBI GeneID	5214
NCBI Accession #	NP_002618
NCBI GenBank Nucleotide #	NM_002627.4
UniProt Accession #	Q01813; Q5VSR7; Q5VSR8; B3KS15
Molecular Weight	85,316 Da
NCBI Official Full Name	ATP-dependent 6-phosphofructokinase, platelet type isoform 1
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://stage.aaabiotech.com/monoclonal/pfkp-antibody-clone-2f2-western-blot-immunohistochemistry-flow-cytometry-elisa/106648