

Mouse anti-Human PFKM Monoclonal Antibody | anti-PFKM antibody

PFKM antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48120	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA

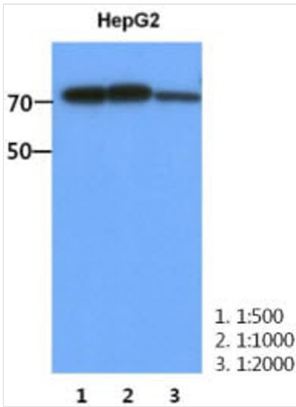
PRODUCT SYNONYMS

PFKM; Monoclonal Antibody; PFKM antibody; 6-Phosphofructokinase muscle type; GSD7; PFK-1; PFK1; PFKA; PFKX; 6-Phosphofructokinase; muscle type 6 Phosphofructokinase Muscle Type; EC 2.7.1.11; MGC8699; PFKL; PFKP; Phosphofructo 1 Kinase Isozyme A; Phosphofructokinase 1; Phosphofructokinase M; Phosphofructokinase; muscle; muscle type; polypeptide X; Phosphohexokinase.; anti-PFKM antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	AT2F11
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	780
Applicable Applications for anti-PFKM antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PFKM (1-780aa) purified from E. coli
Clone Note	Anti-human PFKM mAb, clone AT2F11, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PFKM protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)
The HepG2 cell lysates (30ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PFKM antibody (1:500–2000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-PFKM antibody	PFKM (phosphofructokinase, muscle) is a regulatory glycolytic enzyme that convert fructose 6-phosphate and ATP into fructose 1,6-bisphosphate (through PFK-1), fructose 2,6-bisphosphate (through PFK-2) and ADP. Three phosphofructokinase isozymes exist in humans: muscle, liver and platelet. Mutations in this gene have been associated with glycogen storage disease type VII, also known as Tarui disease.
Product Categories/Family for anti-PFKM antibody	Metabolism
References	Martinez-Costa OH., et al. (2007) FEBS Lett. 581 (16):3033-8. ; Kim JW., et al. (2004) Mol Cell Biol. 24 (13):5923-36

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505749
NCBI GeneID	5213
NCBI Accession #	NP_000280
NCBI GenBank Nucleotide #	NM_000289.5
UniProt Accession #	P08237; Q16814; Q16815; Q6ZTT1; J3KNX3
Molecular Weight	93,254 Da
NCBI Official Full Name	ATP-dependent 6-phosphofructokinase, muscle type isoform 2
NCBI Official Synonym Full Names	phosphofructokinase, muscle
NCBI Official Symbol	PFKM
NCBI Official Synonym Symbols	GSD7; PFK1; PFKA; PFKX; PFK-1; PFK-A; ATP-PFK; PPP1R122
NCBI Protein Information	ATP-dependent 6-phosphofructokinase, muscle type
UniProt Protein Name	ATP-dependent 6-phosphofructokinase, muscle type
UniProt Gene Name	PFKM
UniProt Synonym Gene Names	PFKX; ATP-PFK; PFK-M

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.

