

Rabbit Fructose 6 Phosphate Kinase (PFKM) Polyclonal Antibody | anti-PFKM antibody

Fructose 6 Phosphate Kinase (PFKM) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285282	Rabbit	Human (Predicted Reactivity: Monkey)	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Fructose 6 Phosphate Kinase (PFKM); Polyclonal Antibody; Fructose 6 Phosphate Kinase (PFKM) Antibody (C-term); ATP-dependent 6-phosphofructokinase; muscle type {ECO:0000255|HAMAP-Rule:MF_03184}; ATP-PFK {ECO:0000255|HAMAP-Rule:MF_03184}; PFK-M; 27111 {ECO:0000255|HAMAP-Rule:MF_03184}; 6-phosphofructokinase type A; Phosphofructo-1-kinase isozyme A; PFK-A; Phosphohexokinase {ECO:0000255|HAMAP-Rule:MF_03184}; PFKM; PFKX; anti-PFKM antibody

PRODUCT SPECIFICATIONS

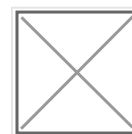
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Fructose 6 Phosphate Kinase (PFKM) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 746-776 amino acids from the C-terminal region of human Fructose 6 Phosphate Kinase (PFKM).
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	746-776
Sequence Length	851
Applicable Applications for anti-PFKM antibody	IF (Immunofluorescence), 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.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of Fructose 6 Phosphate Kinase (PFKM) Antibody(C-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



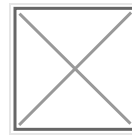
IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PFKM antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human skeletal muscle reacted with PFKM Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of PFKM polyclonal antibody in Hela cell line lysate. PFKM(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PFKM antibody	Phosphofructokinase catalyzes the irreversible conversion of fructose 6 phosphate to fructose 1,6 bisphosphate. Mammalian PFK is a complex isozyme consisting of 3 subunits: muscle (M), liver (L), and platelet (P). Only M type PFK isozyme is expressed in mature muscle, while erythrocytes contain both L and M subunits. Defects in PFKM are the cause of glycogen storage disease type 7 (GSD7), also known as Tarui disease.
Product Categories/Family for anti-PFKM antibody	Cancer ; Metabolism ; Signal Transduction
References	Howard, T.D., et al., Genomics 34(1):122-127 (1996). Vasconcelos, O., et al., Proc. Natl. Acad. Sci. U.S.A. 92(22):10322-10326 (1995). Raben, N., et al., J. Biol. Chem. 268(7):4963-4967 (1993). Yamasaki, T., et al., Gene 104(2):277-282 (1991). Sharma, P.M., et al., J. Biol. Chem. 265(16):9006-9010 (1990).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505749
NCBI GeneID	5213
NCBI Accession #	NP_000280.1 ; NP_001160158.1 ; NP_001160159.1 ; NP_001160160.1
NCBI GenBank Nucleotide #	NM_000289.5
UniProt Accession #	P08237 ; Q16814 ; Q16815 ; Q6ZTT1 ; J3KNX3
Molecular Weight	85183
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; 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
UniProt Entry Name	PFKAM_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/polyclonal/fructose-6-phosphate-kinase-pfk-m-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/285282>