

For Research Use Only

PFKM Polyclonal antibody

Catalog Number: 30326-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 30326-1-AP	GenBank Accession Number: BC021203	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 ug/ml by Nanodrop;	GeneID (NCBI): 5213	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:300-1:1200 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P08237	
Isotype: IgG	Full Name: phosphofructokinase, muscle	
Immunogen Catalog Number: AG30840	Observed MW: 75-85 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : PC-3 cells, HEK-293 cells, Raji cells, MCF-7 cells IHC : mouse skeletal muscle tissue, IF/ICC : 48-well HepG2 cells,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

PFKM, also named as GSD7, PFK-1, PFK-M and PFKX, belongs to the phosphofructokinase family and two domains subfamily. PFKM catalyzes the reaction: ATP + D-fructose 6-phosphate = ADP + D-fructose 1,6-bisphosphate. It is a key regulatory enzyme in glycolysis. Defects in PFKM are the cause of glycogen storage disease type 7 (GSD7). PFKM has three isoforms with molecular masses of 85, 82 and 93 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Wei Liu	39859216	Int J Mol Sci	WB

Storage

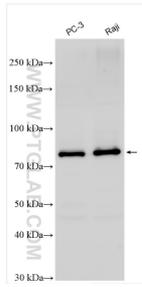
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

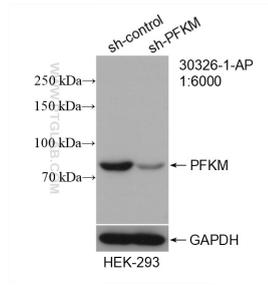
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



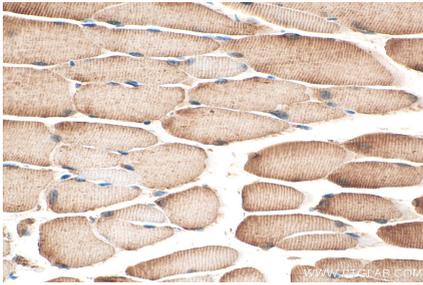
Various lysates were subjected to SDS PAGE followed by western blot with 30326-1-AP (PFKM antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



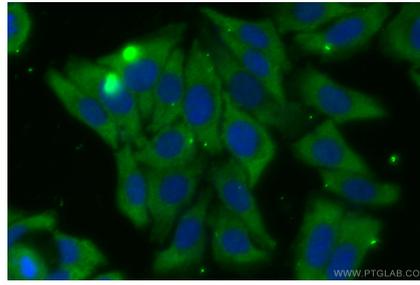
WB result of PFKM antibody (30326-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PFKM transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 30326-1-AP (PFKM antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 30326-1-AP (PFKM antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed 48-well HepG2 cells using PFKM antibody (30326-1-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).