

For Research Use Only

# PFKM Polyclonal antibody

Catalog Number: 30326-1-AP

Featured Product



## Basic Information

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

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Species Specificity:

Human, mouse

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

### Positive Controls:

WB : PC-3 cells, HEK-293 cells, Raji cells, MCF-7 cells

IHC : mouse skeletal muscle tissue,

IF : 48 HepG2 cells,

## Background Information

PFKM, also named as GSD7, PFK-1, PFK-M and PFKX, belongs to the phosphofructokinase family and Two domains subfamily. PFKM catalyze 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 mass of 85, 82 and 93 kDa. The antibody is specific to PFKM.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

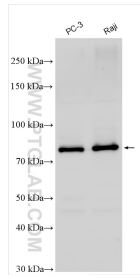
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

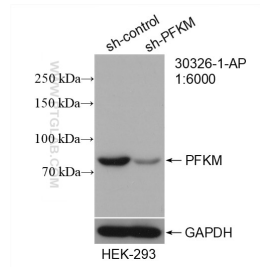
E: proteintech@ptglab.com  
W: ptglab.com

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

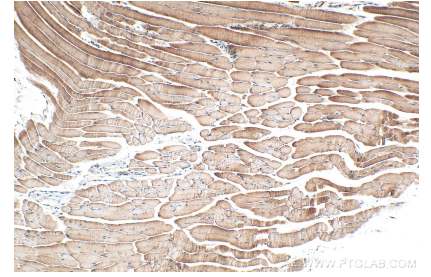
## Selected Validation Data



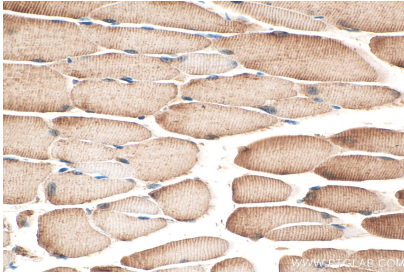
Various lysates were subjected to SDS PAGE followed by western blot with 30326-1-AP (PFKM antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



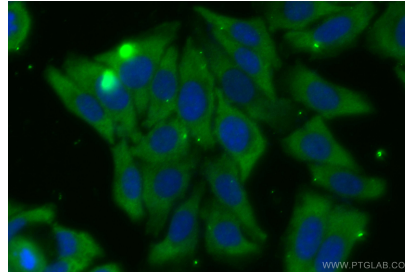
WB result of PFKM antibody (30326-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PFKM transfected HEK-293 cells.



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 HepG2 cells using PFKM antibody (30326-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).