

For Research Use Only

Multi-rAb® PFKM Multi-Recombinant antibody

Catalog Number: RMX00037



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
RMX00037	BC021203	N/A
Size:	GeneID (NCBI):	Recommended Dilutions:
100ul , Concentration: 1000 µg/ml by Nanodrop;	5213	WB: 1:5000-1:50000
Source:	UNIPROT ID:	IHC: 1:500-1:2000
Rabbit	P08237	IF/ICC: 1:50-1:500
Isotype:	Full Name:	
IgG	phosphofructokinase, muscle	
	Observed MW:	
	75-85 kDa	

Applications

Tested Applications:	Positive Controls:
WB, IHC, IF/ICC, ELISA	WB : HeLa cells, L02 cells, Raji cells, mouse liver tissue, rat liver tissue
Species Specificity:	IHC : mouse skeletal muscle tissue,
human, mouse, rat	IF/ICC : HeLa cells,
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.

Storage

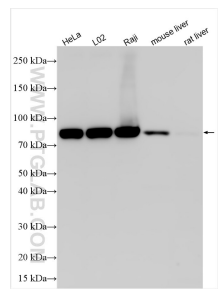
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

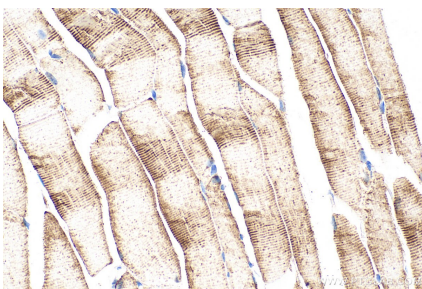
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

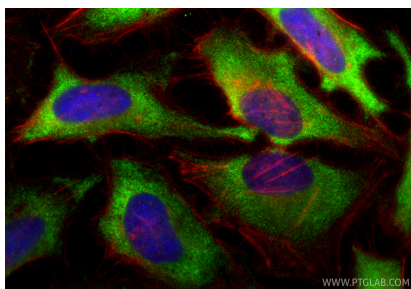
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00037 (PFKM antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using RMX00037 (PFKM antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PFKM antibody (RMX00037) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).