

Basic Information

Catalog Number: 84451-3-RR	GenBank Accession Number: BC000481	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5315	CloneNo.: 260211H3
Source: Rabbit	UNIPROT ID: P14618	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
Isotype: IgG	Full Name: PKM pyruvate kinase, muscle	
Immunogen Catalog Number: AG0110	Calculated MW: 58 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, MCF-7 cells, mouse skeletal muscle tissue, rat skeletal muscle tissue
	IF/ICC : HeLa cells,

Background Information

PKM, also named as OIP3, PK2, PK3, PKM1/2, p58, THBP1, CTHBP and Tumor M2-PK, belongs to the pyruvate kinase family. It is glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. It stimulates POU5F1-mediated transcriptional activation. PKM plays a general role in caspase independent cell death of tumor cells. PKM has 2 isoforms named as PKM1/M2. The activity of the M2 isoform can be inhibited by tyrosine kinase signalling in tumour cells. The primary pyruvate kinase isoform before tumour development is PKM1; however, the primary isoform from four independent tumours is PKM2.(PMID:18337823). This antibody can recognize both PKM1 and PKM2.

Storage

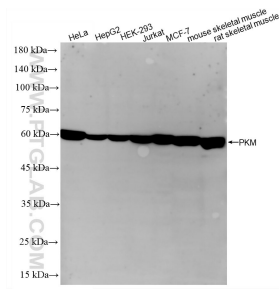
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

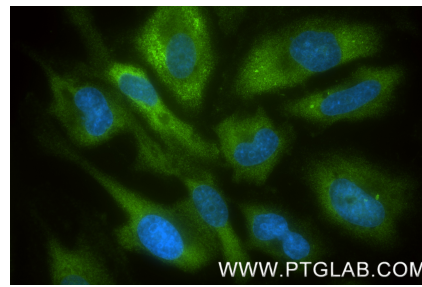
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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 84451-3-RR (PKM antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PKM antibody (84451-3-RR, Clone: 260211H3) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).