

For Research Use Only

PGM1 Monoclonal antibody

Catalog Number: 66105-1-Ig



Basic Information

Catalog Number: 66105-1-Ig	GenBank Accession Number: BC001756	Purification Method: Protein A purification
Size: 150ul , Concentration: 820 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5236	CloneNo.: 2G5A8
Source: Mouse	Full Name: phosphoglucomutase 1	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:20-1:200
Isotype: IgG2b	Calculated MW: 61 kDa	
Immunogen Catalog Number: AG7294	Observed MW: 61 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

human

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 : Hepg2 cells, HEK-293 cells

IHC : human colon tissue, human liver cancer tissue

IF : HepG2 cells,

Background Information

PGM1(Phosphoglucomutase-1) is also named as glucose phosphomutase 1 and belongs to the phosphohexose mutase family. It catalyzes the transfer of phosphate between the 1 and 6 positions of glucose. In most cell types, PGM1 isozymes predominate, representing about 90% of total PGM activity. One exception is red cells, where PGM2 is a major isozyme(PMID:8257433). Defects in PGM1 are the cause of glycogen storage disease type 14 (GSD14) (PMID:19625727). It has 2 isoforms produced by alternative splicing.

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

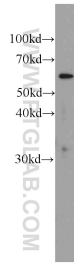
For technical support and original validation data for this product please contact:

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

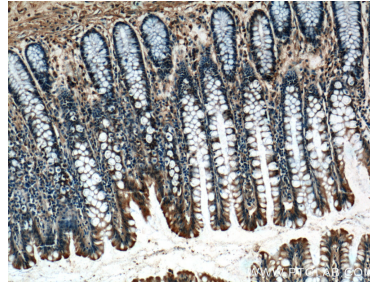
E: proteintech@ptglab.com
W: ptglab.com

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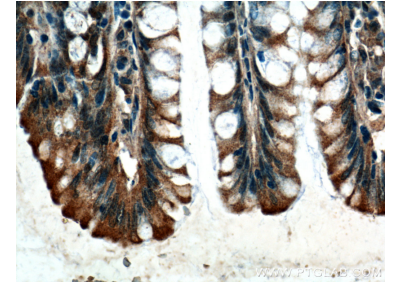
Selected Validation Data



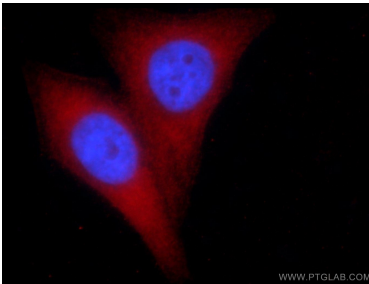
HepG2 cells were subjected to SDS PAGE followed by western blot with 66105-1-Ig (PGM1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66105-1-Ig (PGM1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66105-1-Ig (PGM1 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 66105-1-Ig (PGM1 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Mouse IgG.