

For Research Use Only

PMM2 Polyclonal antibody

Catalog Number: 10666-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

10666-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1031

GenBank Accession Number:

BC008310

GeneID (NCBI):

5373

UNIPROT ID:

O15305

Full Name:

phosphomannomutase 2

Calculated MW:

28 kDa

Observed MW:

28-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

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 : HepG2 cells, multi-tissue

IP : mouse lung tissue,

IHC : human breast cancer tissue,

IF/ICC : HepG2 cells,

Background Information

PMM2(Phosphomannomutase 2) belongs to the eukaryotic PMM family. It is involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions. PMM2 catalyzes the second step in the conversion of fructose-6P to GDP-mannose.

Notable Publications

Author	Pubmed ID	Journal	Application
Giuseppina Andreotti	26488408	PLoS One	WB
Sangeetha Iyer	31636082	Dis Model Mech	WB
Marlen Görlacher	33209585	Mol Genet Metab Rep	WB,IF

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

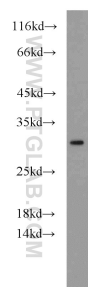
For technical support and original validation data for this product please contact:

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

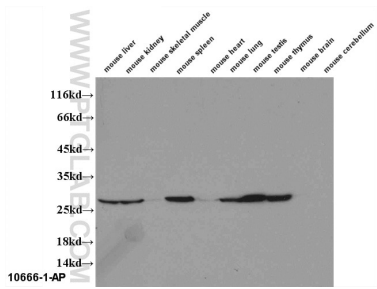
E: proteintech@ptglab.com
W: ptglab.com

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

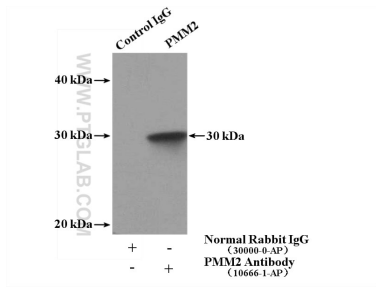
Selected Validation Data



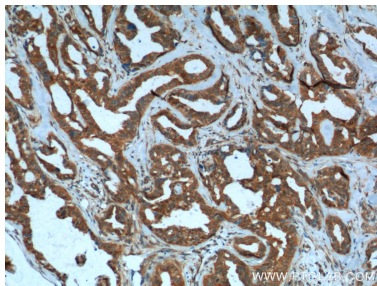
HepG2 cells were subjected to SDS PAGE followed by western blot with 10666-1-AP (PMM2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



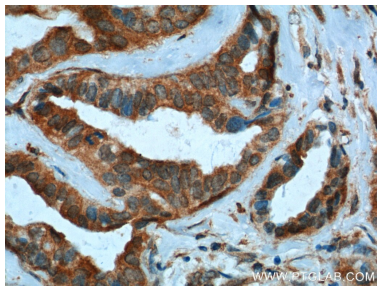
WB results of 10666-1-AP (PMM2 antibody) on several lysates.



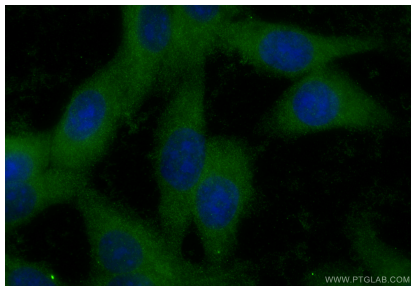
IP result of anti-PMM2 (IP:10666-1-AP, 4ug; Detection:10666-1-AP 1:1000) with mouse lung tissue lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10666-1-AP (PMM2 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10666-1-AP (PMM2 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PMM2 antibody (10666-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).