

For Research Use Only

# PMM1 Polyclonal antibody

Catalog Number: 11252-2-AP

1 Publications



## Basic Information

### Catalog Number:

11252-2-AP

### Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1782

### GenBank Accession Number:

BC016818

### GeneID (NCBI):

5372

### UNIPROT ID:

Q92871

### Full Name:

phosphomannomutase 1

### Calculated MW:

29 kDa

### Observed MW:

29 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse

### Positive Controls:

**WB** : mouse brain tissue, human brain tissue, HepG2 cells, NIH/3T3 cells

**IHC** : human liver cancer tissue, human lung cancer tissue

**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

PMM1, also named as PMMH22, belongs to the eukaryotic PMM family. It catalyzes the second step in the conversion of fructose-6P to GDP-mannose and is involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions. In addition, PMM1 may be responsible for the degradation of glucose-1,6-bisphosphate in ischemic brain (PMID:18927083).

## Notable Publications

Author	Pubmed ID	Journal	Application
Wegrzynowicz Michal M	22191580	J Proteome Res	WB

## 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

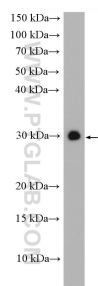
For technical support and original validation data for this product please contact:

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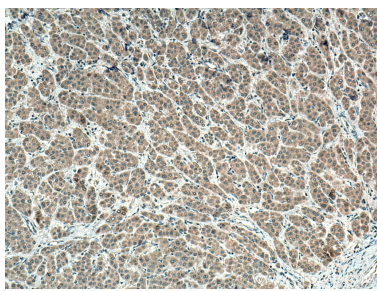
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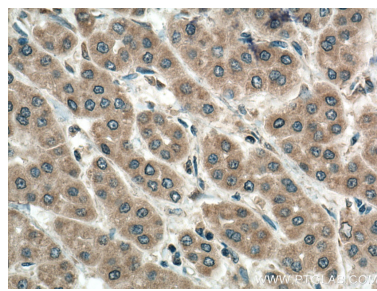
## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11252-2-AP (PMM1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11252-2-AP (PMM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11252-2-AP (PMM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).