

For Research Use Only

# PMM1 Polyclonal antibody

Catalog Number: 11252-2-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 11252-2-AP	<b>GenBank Accession Number:</b> BC016818	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5372	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> phosphomannomutase 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 29 kDa	
<b>Immunogen Catalog Number:</b> AG1782	<b>Observed MW:</b> 29 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> mouse brain tissue, human brain tissue, HepG2 cells, NIH/3T3 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human liver cancer tissue, human lung cancer tissue
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

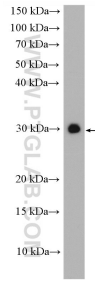
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

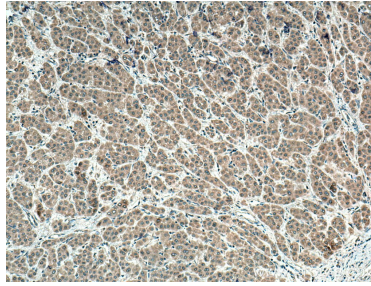
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

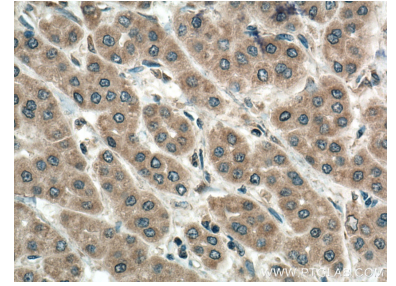
## Selected Validation Data



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).