

For Research Use Only

# PTP4A1 Monoclonal antibody, PBS Only

Catalog Number: 67584-1-PBS



## Basic Information

<b>Catalog Number:</b> 67584-1-PBS	<b>GenBank Accession Number:</b> BC023975	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7803	<b>CloneNo.:</b> 2C9E10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q93096	
<b>Isotype:</b> IgG1	<b>Full Name:</b> protein tyrosine phosphatase type IVA, member 1	
<b>Immunogen Catalog Number:</b> AG14436	<b>Calculated MW:</b> 20 kDa	
	<b>Observed MW:</b> 18-20 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

PTP4A1 (protein tyrosine phosphatase type IVA, member 1), also named as PRL1, HH72, PRL-1, PTP(CAAX1), PTPCAAX1, DKFZp779M0721, belongs to the protein-tyrosine phosphatase family, which play an important role in maintaining appropriate tyrosine phosphorylation levels in the cell during development and tissue regeneration (PMID:19341304). PTP4A1 is a PTPase and that it is highly expressed in growing hepatic cells and some tumor cell lines and is located primarily in the cell nucleus, and its overexpression modulates the growth of cells (PMID:8196618). PTP4A1 can exist as dimer, trimer and higher oligomers in vivo (PMID: 15571731, 18224294).

## Storage

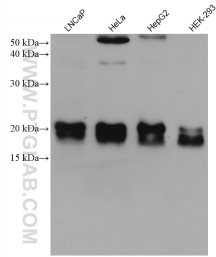
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

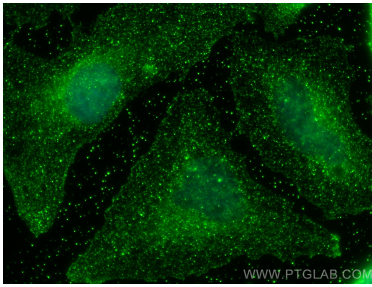
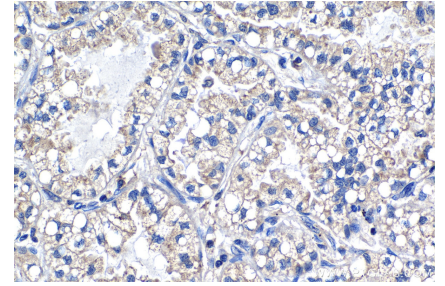
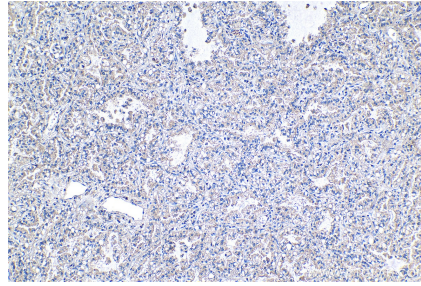
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67584-1-Ig (PTP4A1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67584-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PTP4A1 antibody (67584-1-Ig, Clone: 2C9E10) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 67584-1-PBS in a different storage buffer formulation.