

For Research Use Only

PTP4A1 Monoclonal antibody, PBS Only

Catalog Number: 67584-1-PBS



Basic Information

Catalog Number: 67584-1-PBS	GenBank Accession Number: BC023975	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 7803	CloneNo.: 2C9E10
Source: Mouse	UNIPROT ID: Q93096	
Isotype: IgG1	Full Name: protein tyrosine phosphatase type IVA, member 1	
Immunogen Catalog Number: AG14436	Calculated MW: 20 kDa	
	Observed MW: 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

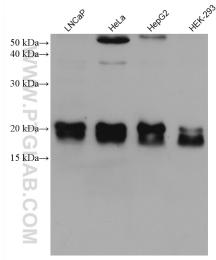
T: 4006900926

E: Proteintech-CN@ptglab.com

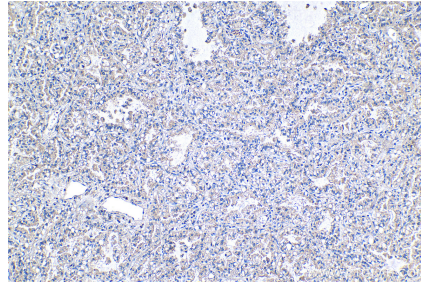
W: ptgcn.com

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

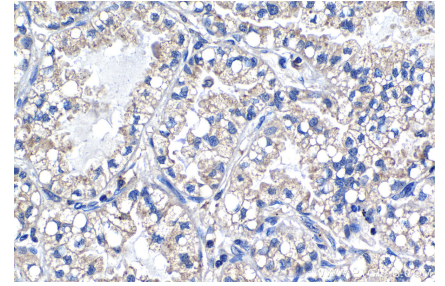
Selected Validation Data



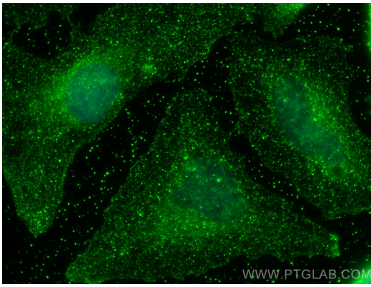
Various lysates were subjected to SDS PAGE followed by western blot with 67584-1-Ig (PTP4A1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67584-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67584-1-Ig (PTP4A1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67584-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67584-1-Ig (PTP4A1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). 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.