

For Research Use Only

PTP4A1 Monoclonal antibody

Catalog Number: 67584-1-Ig



Basic Information

Catalog Number: 67584-1-Ig	GenBank Accession Number: BC023975	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7803	CloneNo.: 2C9E10
Source: Mouse	UNIPROT ID: Q93096	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000
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:

IHC, WB, ELISA

Species Specificity:

Human, mouse, rat

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 : LNCaP cells, Jurkat cells, HeLa cells, HepG2 cells, HEK-293 cells, HSC-T6 cells, NIH/3T3 cells

IHC : human lung cancer tissue,

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

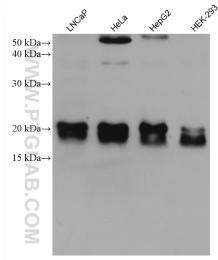
T: 4006900926

E: Proteintech-CN@ptglab.com

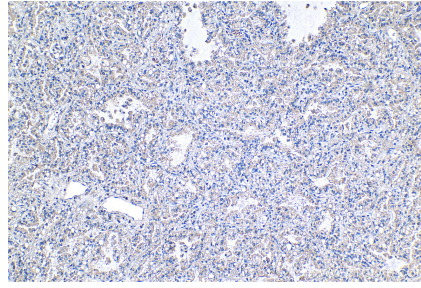
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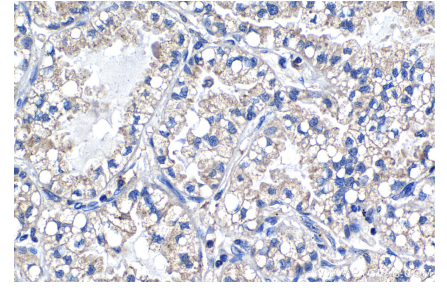
Selected Validation Data



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.



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).



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).