

For Research Use Only

P4HA3 Recombinant monoclonal antibody

Catalog Number: 85374-1-RR



Basic Information

Catalog Number: 85374-1-RR	GenBank Accession Number: BC126170	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 283208	CloneNo.: 242750C3
Source: Rabbit	UNIPROT ID: Q7Z4N8	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:500-1:2000 IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: prolyl 4-hydroxylase, alpha polypeptide III	
Immunogen Catalog Number: AG19716	Calculated MW: 544 aa, 61 kDa	
	Observed MW: 61 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, A549 cells IHC : human stomach cancer tissue, IF/ICC : A549 cells,
Species Specificity: human	
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

Collagen prolyl 4-hydroxylases catalyze the hydroxylation of proline in x-pro-gly triplets in collagens and in proteins with collagen-like sequences. Collagen prolyl 4-hydroxylases are tetramers of 2 alpha subunits, such as P4HA3, and 2 beta subunits(P4HB). P4HA3 has 3 isoforms produced by alternative splicing with the MW of 61 kDa, 29 kDa and 67 kDa.

Storage

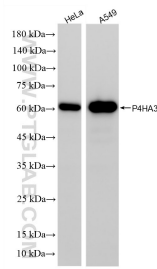
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

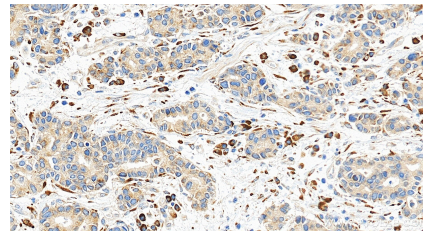
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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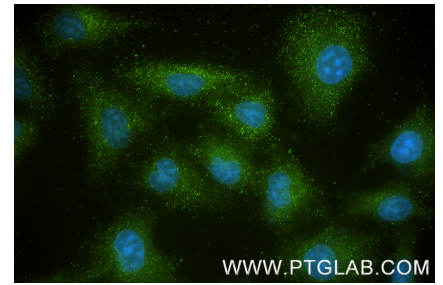
Selected Validation Data



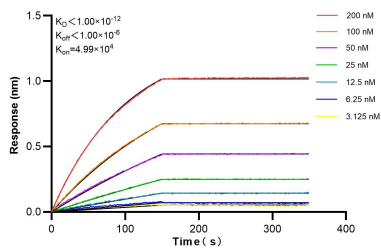
Various lysates were subjected to SDS PAGE followed by western blot with 85374-1-RR (P4HA3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 85374-1-RR (P4HA3 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using P4HA3 antibody (85374-1-RR, Clone: 242750C3) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 85374-1-RR against Human P4HA3 were performed. The affinity constant is below 1 pM.