

For Research Use Only

P4HA3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85374-1-PBS



Basic Information

Catalog Number: 85374-1-PBS	GenBank Accession Number: BC126170	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 283208	CloneNo.: 242750C3
Source: Rabbit	UNIPROT ID: Q7Z4N8	
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, Indirect ELISA

Species Specificity:
human

Background Information

Collagen prolyl 4-hydroxylases catalyze the hydroxylation of proline in α -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

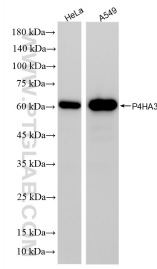
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

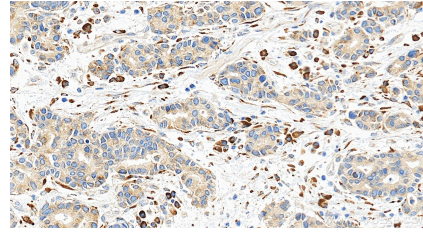
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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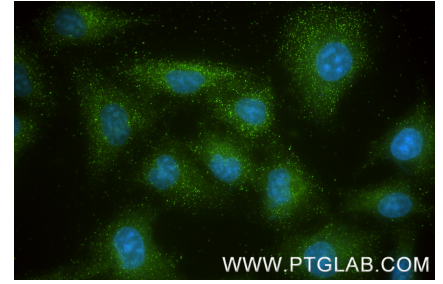
Selected Validation Data



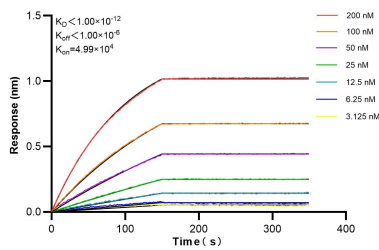
Various lysates were subjected to SDS PAGE followed by western blot with 85374-1-RR (P4HA3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85374-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85374-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85374-1-PBS in a different storage buffer formulation.



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