

For Research Use Only

# P4HA3 Recombinant monoclonal antibody

Catalog Number: 85374-1-RR



## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HeLa cells, A549 cells
<b>Species Specificity:</b> human	<b>IHC :</b> human stomach cancer tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IF/ICC :</b> A549 cells,

## 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**

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

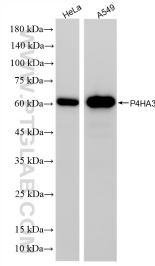
T: 4006900926

E: Proteintech-CN@ptglab.com

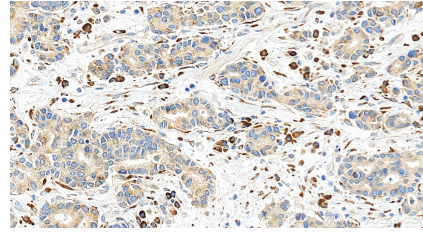
W: ptgcn.com

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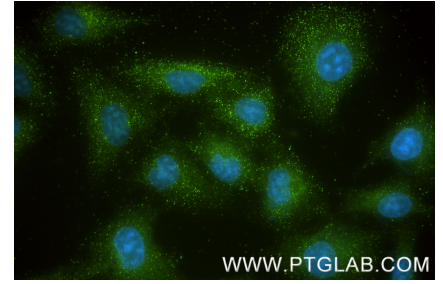
## Selected Validation Data



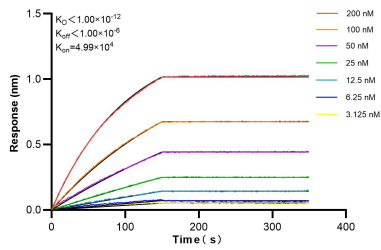
Various lysates were subjected to SDS PAGE followed by western blot with 85374-1-RR (P4HA3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.