

For Research Use Only

# P4HA2 Polyclonal antibody

Catalog Number: 13759-1-AP

Featured Product

18 Publications



## Basic Information

<b>Catalog Number:</b> 13759-1-AP	<b>GenBank Accession Number:</b> BC035813	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8974	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB IHC 1:100-1:400
<b>Source:</b> Rabbit	<b>Full Name:</b> prolyl 4-hydroxylase, alpha polypeptide II	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 533 aa, 61 kDa	
<b>Immunogen Catalog Number:</b> AG4714	<b>Observed MW:</b> 61 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, MCF-7 cells IP : HeLa cells, IHC : human cervical cancer tissue, human pancreas cancer tissue
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, rat	
<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>	

## Background Information

Prolyl 4-hydroxylase catalyzes the posttranslational formation of 4-hydroxyproline in collagens. The vertebrate enzyme is a tetramer of 2 alpha subunits and 2 beta subunits. P4HA2 is one of at least 2 alpha subunit isoforms. It catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins. This protein has 2 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jie You	36206672	Stem Cell Res	WB
Randy T Cowling	28923350	J Mol Cell Cardiol	WB
M Gabasa	28898237	Br J Cancer	WB

## Storage

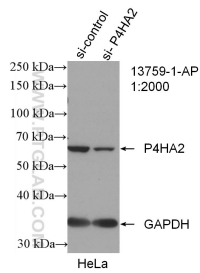
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

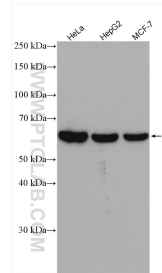
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

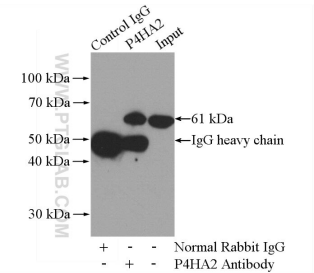
## Selected Validation Data



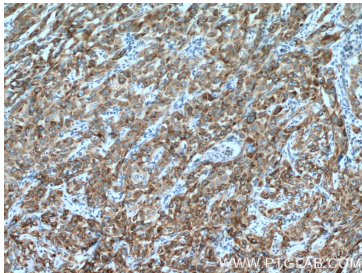
WB result of P4HA2 antibody (13759-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P4HA2 transfected HeLa cells.



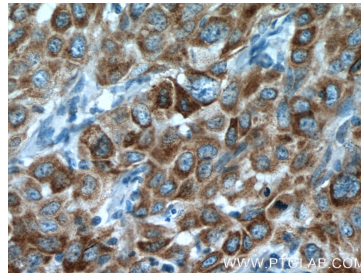
Various lysates were subjected to SDS PAGE followed by western blot with 13759-1-AP (P4HA2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-P4HA2 (IP:13759-1-AP, 4ug; Detection:13759-1-AP 1:1000) with HeLa cells lysate 1200ug.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 13759-1-AP (P4HA2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 13759-1-AP (P4HA2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).