

For Research Use Only

P4HA2 Monoclonal antibody

Catalog Number: 66604-1-Ig

Featured Product

2 Publications



Basic Information

Catalog Number: 66604-1-Ig	GenBank Accession Number: BC035813	Purification Method: Protein G purification
Size: 150ul , Concentration: 801 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8974	CloneNo.: 3A9A4
Source: Mouse	Full Name: prolyl 4-hydroxylase, alpha polypeptide II	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:400-1:1000
Isotype: IgG1	Calculated MW: 533 aa, 61 kDa	
Immunogen Catalog Number: AG4714	Observed MW: 61 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HSC T6 cells, HeLa cells, HSC-T6 cells, NIH/3T3 cells IHC : human lung cancer tissue,
Cited Applications: IHC, WB	
Species Specificity: Human, Mouse , Rat	
Cited Species: human, mouse	
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

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
Haibo Zhang	34113171	Cancer Manag Res	IHC
Xing Chen	35389431	J Exp Med	WB

Storage

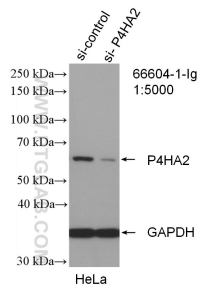
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

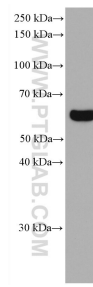
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

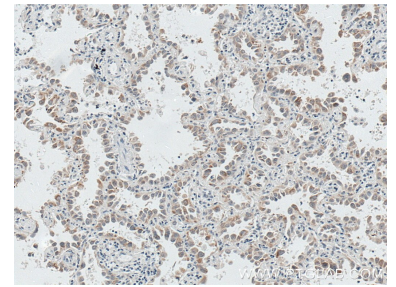
Selected Validation Data



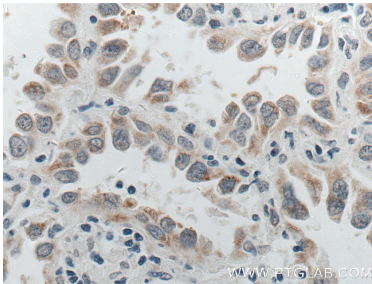
WB result of P4HA2 antibody (66604-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P4HA2 transfected HeLa cells.



HSC-T6 cells were subjected to SDS PAGE followed by western blot with 66604-1-Ig (P4HA2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66604-1-Ig (P4HA2 antibody) at dilution of 1:1000 (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 66604-1-Ig (P4HA2 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).