

For Research Use Only

P4HA2 Monoclonal antibody

Catalog Number: 66604-1-Ig

Featured Product

5 Publications



Basic Information

Catalog Number:

66604-1-Ig

Size:

150ul, Concentration: 801 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG4714

GenBank Accession Number:

BC035813

GeneID (NCBI):

8974

UNIPROT ID:

O15460

Full Name:

prolyl 4-hydroxylase, alpha polypeptide II

Calculated MW:

533 aa, 61 kDa

Observed MW:

61 kDa

Purification Method:

Protein G purification

CloneNo.:

3A9A4

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:400-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

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

Positive Controls:

WB : HSCT6 cells, HeLa cells, HSC-T6 cells, NIH/3T3 cells

IHC : human lung cancer tissue,

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
Ying Ding	39725111	Int J Biol Macromol	WB,IHC

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

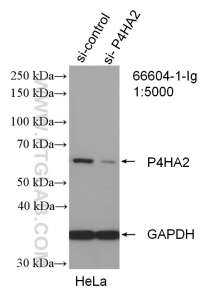
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

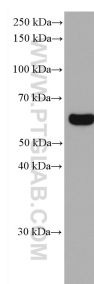
E: proteintech@ptglab.com
W: ptglab.com

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

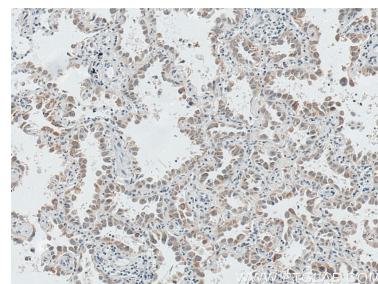
Selected Validation Data



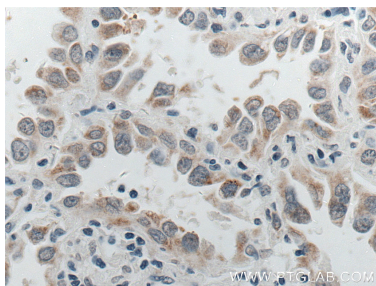
WB result of P4HA2 antibody (66604-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P4HA2 transfected HeLa cells.



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).