

For Research Use Only

P4HA3 Polyclonal antibody

Catalog Number: 23185-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

23185-1-AP

Size:

150ul , Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19716

GenBank Accession Number:

BC126170

GeneID (NCBI):

283208

UNIPROT ID:

Q7Z4N8

Full Name:

prolyl 4-hydroxylase, alpha polypeptide III

Calculated MW:

544 aa, 61 kDa

Observed MW:

30 kDa, 61 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB : mouse kidney tissue, A549 cells

IF/ICC : 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Randy T Cowling	28923350	J Mol Cell Cardiol	WB
Fumie Nakasuka	34168290	Commun Biol	WB
Yue Lu	40065084	Commun Biol	WB

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

*** 20ul sizes contain 0.1% BSA

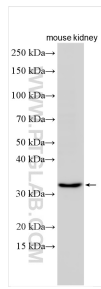
For technical support and original validation data for this product please contact:

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

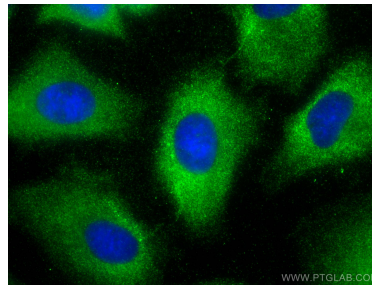
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Mouse kidney tissue were subjected to SDS PAGE followed by western blot with 23185-1-AP (P4HA3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using P4HA3 antibody (23185-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).