

# P4HA3 Polyclonal antibody

Catalog Number: 23185-1-AP

4 Publications

## Basic Information

## Catalog Number:

23185-1-AP

## Size:

350 µg/ml

## 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 1:50-1:500

## Applications

## Tested Applications:

IF/ICC, WB, ELISA

## Cited Applications:

WB, IHC

## Species Specificity:

human, mouse

## Cited Species:

human, rat, mouse

## Positive Controls:

WB : mouse kidney tissue, A549 cells

IF : 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
Mingyue Li	36944795	Mol Cell Biochem	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

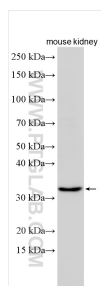
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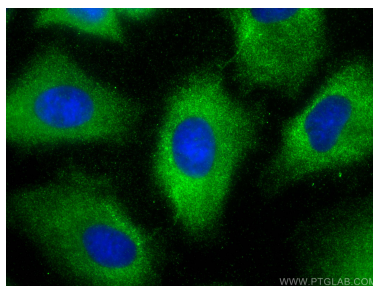
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## Selected Validation Data



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 AffiniPure Goat Anti-Rabbit IgG(H+L).