

For Research Use Only

P4HA3 Polyclonal antibody

Catalog Number: 23185-1-AP **4 Publications**



Basic Information

| | | |
|---|--|---|
| Catalog Number: 23185-1-AP | GenBank Accession Number: BC126170 | Purification Method: Antigen affinity purification |
| Size: 350 µg/ml | GeneID (NCBI): 283208 | Recommended Dilutions: WB 1:500-1:1000 IF 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q7Z4N8 | |
| Isotype: IgG | Full Name: prolyl 4-hydroxylase, alpha polypeptide III | |
| Immunogen Catalog Number: AG19716 | Calculated MW: 544 aa, 61 kDa | |
| | Observed MW: 30 kDa, 61 kDa | |

Applications

| | |
|--|---|
| Tested Applications: IF/ICC, WB, ELISA | Positive Controls: WB : mouse kidney tissue, A549 cells |
| Cited Applications: IHC, WB | IF : A549 cells, |
| Species Specificity: human, mouse | |
| Cited Species: human, rat, mouse | |

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

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

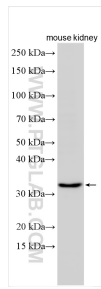
T: 4006900926

E: Proteintech-CN@ptglab.com

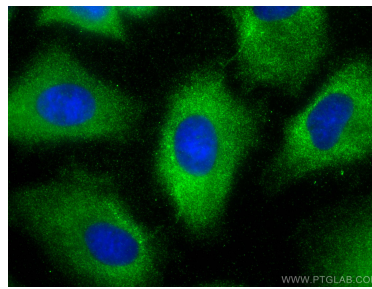
W: ptgcn.com

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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).