

For Research Use Only

# P4HA1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86825-1-PBS



## Basic Information

Catalog Number:

86825-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3292

GenBank Accession Number:

BC034998

GeneID (NCBI):

5033

UNIPROT ID:

P13674

Full Name:

prolyl 4-hydroxylase, alpha polypeptide I

Calculated MW:

534 aa, 61 kDa

Observed MW:

61 kDa

Purification Method:

Protein A purification

CloneNo.:

251813G5

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

P4HA1 (Prolyl 4-hydroxylase subunit alpha-1) is also known as P4HA and belongs to the P4HA family, which plays a central role in collagen synthesis. P4HA1 catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins. The gene encodes a polypeptide of 517 amino acid residues and a signal peptide of 17 amino acids and the full length protein has two glycosylation sites (uniprot). It can exist as a heteromer, dimer or tetramer (refer to: GENATLAS). P4HA1 has some isoforms with the MW 61-63 kDa and 57-59 kDa.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

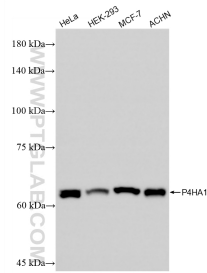
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86825-1-RR (P4HA1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86825-1-PBS in a different storage buffer formulation.