

# P4HA1 Rabbit pAb

Catalog No.: A10538 **2 Publications**

## Basic Information

### Observed MW

61kDa

### Calculated MW

61kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,(ELISA)

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides the major part of the catalytic site of the active enzyme. In collagen and related proteins, prolyl 4-hydroxylase catalyzes the formation of 4-hydroxyproline that is essential to the proper three-dimensional folding of newly synthesized procollagen chains. Alternatively spliced transcript variants encoding different isoforms have been described.

## Recommended Dilutions

**WB** 1:100 - 1:500

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

5033

### Swiss Prot

P13674

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 235-534 of human P4HA1 (NP\_001017962.1).

### Synonyms

P4HA; P4HA1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

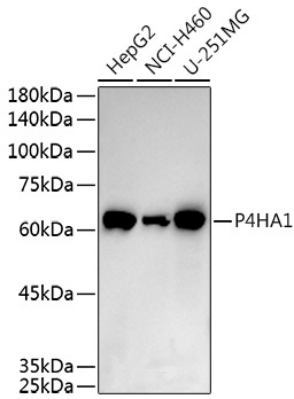
Affinity purification

### Storage

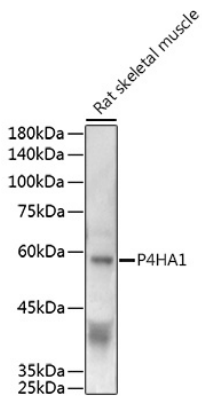
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

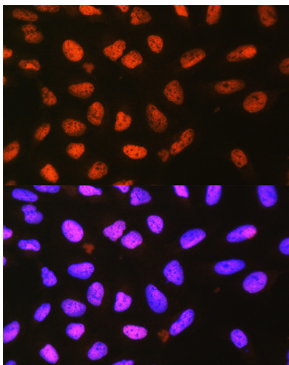
## Validation Data



Western blot analysis of various lysates using P4HA1 Rabbit pAb (A10538) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.



Western blot analysis of lysates from Rat skeletal muscle, using P4HA1 Rabbit pAb (A10538) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 120s.



Immunofluorescence analysis of L929 cells using P4HA1 Rabbit pAb (A10538) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.