

A0692

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## P4HB Rabbit pAb

Catalog No.: A0692

5 Publications

### Basic Information

#### Observed MW

57kDa

#### Calculated MW

57kDa

#### Category

Mouse Monoclonal Antibody

#### Applications

WB,IF/ICC,IP,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### Background

This gene encodes the beta subunit of prolyl 4-hydroxylase, a highly abundant multifunctional enzyme that belongs to the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, this enzyme is involved in hydroxylation of prolyl residues in procollagen. This enzyme is also a disulfide isomerase containing two thioredoxin domains that catalyze the formation, breakage and rearrangement of disulfide bonds. Other known functions include its ability to act as a chaperone that inhibits aggregation of misfolded proteins in a concentration-dependent manner, its ability to bind thyroid hormone, its role in both the influx and efflux of S-nitrosothiol-bound nitric oxide, and its function as a subunit of the microsomal triglyceride transfer protein complex.

### Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:20 - 1:100

IP 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

### Immunogen Information

#### Gene ID

5034

#### Swiss Prot

P07237

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 329-508 of human P4HB (NP\_000909.2).

#### Synonyms

DSI; GIT; PDI; PHDB; PDIA1; PO4DB; PO4HB; PROHB; CLCRP1; ERBA2L; P4Hbeta; P4HB

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

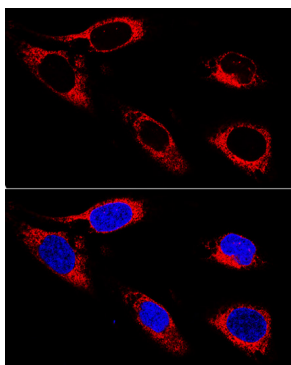
#### Storage

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

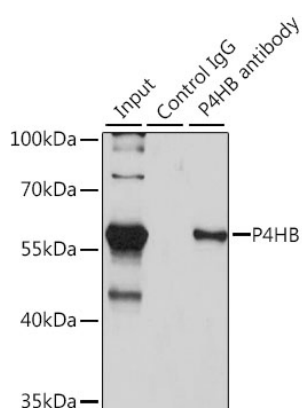
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Confocal immunofluorescence analysis of U-2OS cells using P4HB Rabbit pAb (A0692) at dilution of 1:400. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of SW620 cells using 3 µg P4HB antibody (A0692). Western blot was performed from the immunoprecipitate using P4HB antibody (A0692) at a dilution of 1:500.