Leader in Biomolecular Solutions for Life Science

www.abclonal.com

# P4HB Rabbit pAb

**Catalog No.: A0692** **6 Publications**

## Basic Information

**Observed MW**
57kDa

**Calculated MW**
57kDa

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

## Contact


400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn


## Immunogen Information

**Gene ID**
5034

**Swiss Prot**
P07237

**Immunogen**
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

## Product Information

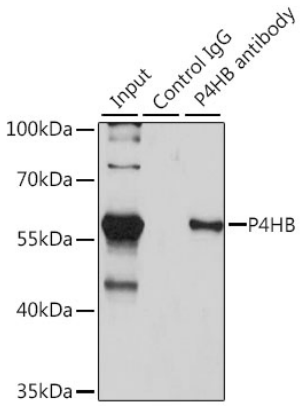
**Source**
Rabbit

**Isotype**
IgG

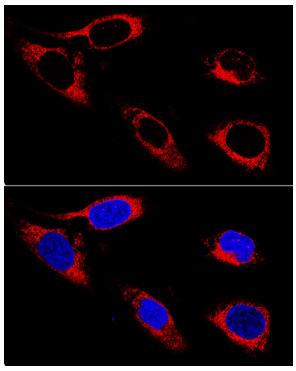
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data




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.



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



For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.