

P4HB Rabbit pAb

Catalog No.: A0692 **5 Publications**

Basic Information

Observed MW

57kDa

Calculated MW

57kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC, IP

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

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

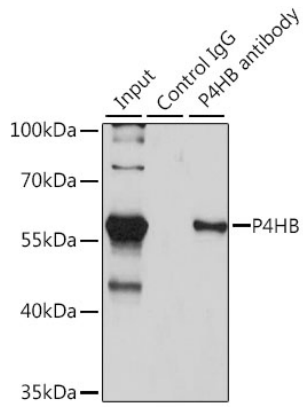
Affinity purification

Storage

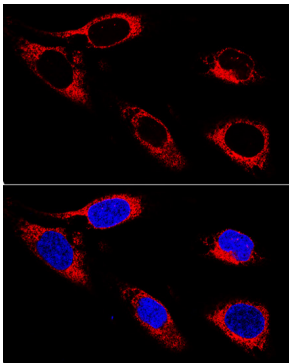
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



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.