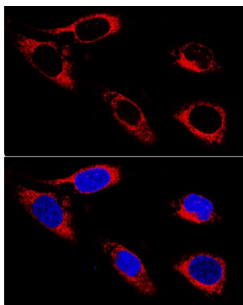
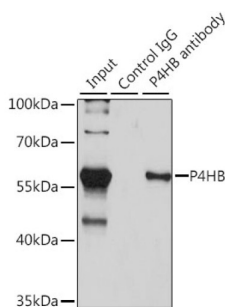


Protein Disulfide-Isomerase / PDI (P4HB) Antibody

Catalogue No.: abx000827



Confocal immunofluorescence analysis of U-2OS cells using P4HB Antibody at dilution of 1/400. Blue: DAPI for nuclear staining.



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

P4HB Antibody is a Rabbit Polyclonal antibody against P4HB. This gene encodes the beta subunit of prolyl 4-hydroxylase, a highly abundant multifunctional enzyme that belongs to the Protein Disulfide-Isomerase / PDI 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.

Target: Protein Disulfide-Isomerase / PDI (P4HB)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IF/ICC, IP

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IF/ICC: 1/20 - 1/100, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Datasheet

Version: 8.0.0
Revision date: 06 Mar 2025



Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 329-508 of human P4HB.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P07237 (UniProt , ExPASy)
Gene Symbol:	P4HB
GeneID:	5034
OMIM:	112240
NCBI Accession:	NP_000909.2
HGNC:	8548
KEGG:	hsa:5034
Ensembl:	ENSG00000185624
String:	9606.ENSP00000327801
Molecular Weight:	Calculated MW: 57 kDa Observed MW: 57 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.