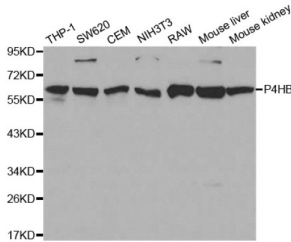
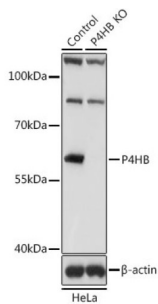


Protein Disulfide-Isomerase / PDI (P4HB) Antibody

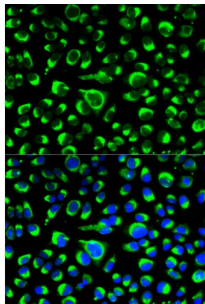
Catalogue No.: abx000827



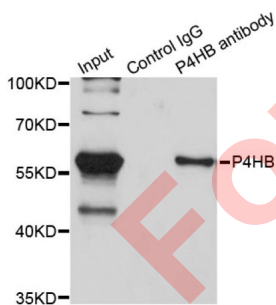
Western blot analysis of extracts of various cell lines, using P4HB antibody (abx000827) at 1/1000 dilution.



Western blot analysis of extracts from normal (control) and P4HB knockout (KO) HeLa cells, using P4HB antibody at 1/1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution.



Immunofluorescence analysis of HeLa cells using P4HB antibody (abx000827). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of SW620 cells using 3 µg P4HB antibody (abx000827). Western blot was performed from the immunoprecipitate using P4HB antibody (abx000827) 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.

Datasheet

Version: 6.0.0
Revision date: 25 Dec 2024



Target:	Protein Disulfide-Isomerase / PDI (P4HB)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IF/ICC, IP
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/20 - 1/100, IP: 0.5-4 µg/200-400 µg whole cell extracts. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
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

Datasheet

Version: 6.0.0
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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.

For Reference Only