

Rabbit P4HB Polyclonal Antibody | anti-P4HB antibody

P4HB antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199872	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Immunohistochemistry, Western Blot

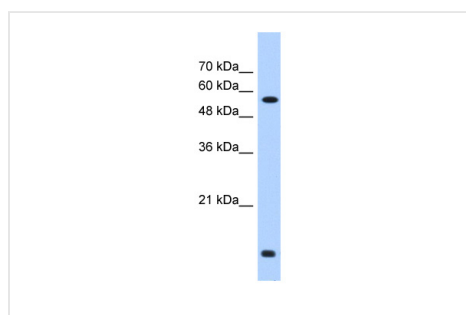
PRODUCT SYNONYMS

P4HB; Polyclonal Antibody; P4HB antibody - C-terminal region; anti-P4HB antibody

PRODUCT SPECIFICATIONS

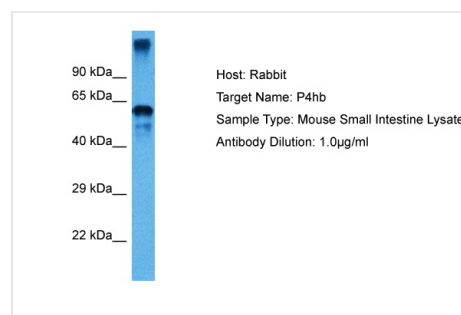
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: DR TVIDYNGERT LDGFKKFLES GGQDGAGDDD DLEDLEEAE PDMEEDDD
Sequence Length	508
Applicable Applications for anti-P4HB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human P4HB
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



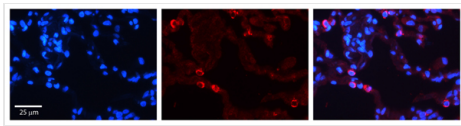
WB (Western Blot)

WB Suggested Anti-P4HB Antibody Titration: 0.2-1 ug/ml
Positive Control: HepG2 cell lysate
P4HB is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



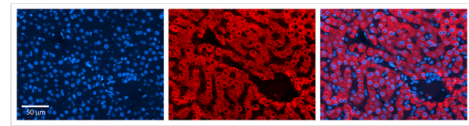
WB (Western Blot)

Host: Mouse
Target Name: P4HB
Sample Type: Mouse Small Intestine Lysate
Antibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)

P4HB antibody - C-terminal region
Formalin Fixed Paraffin Embedded Tissue: Human Lung
Tissue
Observed Staining: Cytoplasm of pneumocytes
Primary Antibody Concentration: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec



IHC (Immunohistochemistry)

P4HB antibody - C-terminal region
Formalin Fixed Paraffin Embedded Tissue: Human Liver
Tissue
Observed Staining: Cytoplasm in hepatocytes
Primary Antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-P4HB antibody

This is a rabbit polyclonal antibody against P4HB. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: P4HB is 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. 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. **Publication Note:** This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Product Categories/Family for anti-P4HB antibody

[Polyclonal](#); [Signal Proteins](#); [Drugs and Drug Metabolism](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	20070125
NCBI GeneID	5034
NCBI Accession #	NP_000909
NCBI GenBank Nucleotide #	NM_000918
UniProt Accession #	P07237
Molecular Weight	55kDa
NCBI Official Full Name	protein disulfide-isomerase
NCBI Official Synonym Full Names	prolyl 4-hydroxylase subunit beta
NCBI Official Symbol	P4HB
NCBI Official Synonym Symbols	DSI; GIT; PDI; PHDB; PDIA1; PO4DB; PO4HB; PROHB; CLCRP1; ERBA2L; P4Hbeta
NCBI Protein Information	protein disulfide-isomerase
UniProt Protein Name	Protein disulfide-isomerase
UniProt Gene Name	P4HB
UniProt Synonym Gene Names	ERBA2L; PDI; PDIA1; PO4DB; PDI
UniProt Entry Name	PDIA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/p4hb-antibody-immunohistochemistry-western-blot-elisa/199872>