

Rabbit anti-Human Protein disulfide-isomerase Polyclonal Antibody | anti-P4HB antibody

Rabbit anti-human Protein disulfide-isomerase polyclonal Antibody

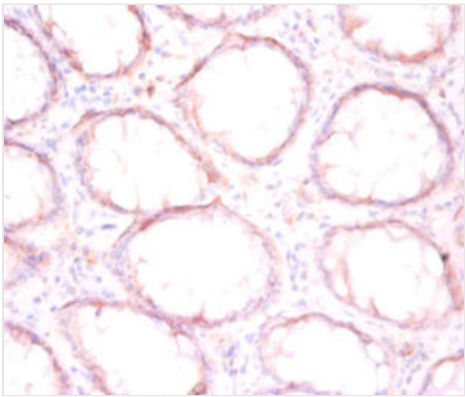
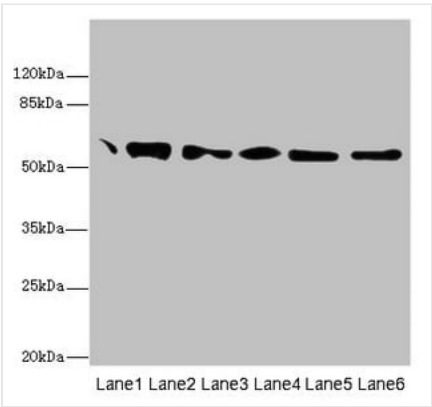
CATALOG # AAA229154	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

Protein disulfide-isomerase; Polyclonal Antibody; Rabbit anti-human Protein disulfide-isomerase polyclonal Antibody; ERBA2L; PDI; PDIA1; PO4DB; P4HB; Cellular thyroid hormone-binding protein; Prolyl 4-hydroxylase subunit beta; p55; anti-P4HB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	508
Applicable Applications for anti-P4HB antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Protein disulfide-isomerase
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-17222 / sc-30932 / sc-30931 / sc-20132
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.



WB (Western Blot)

Western blotAll lanes: P4HBantibody at 1.8ug/mlLane 1: Mouse brain tissueLane 2: Colo320 whole cell lysateLane 3: HepG-2 whole cell lysateLane 4: 293T whole cell lysateLane 5: Hela whole cell lysateLane 6: MCF7 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 57 kDaObserved band size: 57 kDa

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colorectal carcinoma using AAA229154 at dilution of 1:50

ADDITIONAL INFORMATION

Related Product Information for anti-P4HB antibody	Dsb proteins (DsbA, DsbB, DsbC, and DsbD) catalyze formation and isomerization of protein disulfide bonds in the periplasm of Escherichia coli. Disulphide bond isomerase (DsbC), a member of the thioredoxin superfamily, acts as a disulfide isomerase and converts aberrant disulfide bonds to correct ones. It also acts by transferring its disulfide bond to other proteins and is reduced in the process. DsbC is reoxidized by a yet uncharacterized protein. 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.
Product Categories/Family for anti-P4HB antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	20070125
NCBI GeneID	5034
NCBI Accession #	NP_000909.2
NCBI GenBank Nucleotide #	NM_000918.3
UniProt Accession #	P07237; P30037; P32079; Q15205; Q6LDE5; B2RDQ2
Molecular Weight	57,116 Da
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/protein-disulfide-isomerase-antibody-immunohistochemistry-western-blot-elisa/229154>