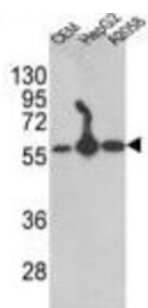
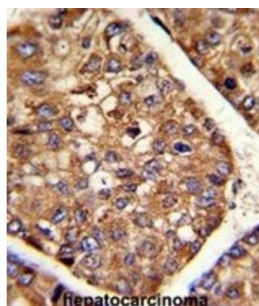
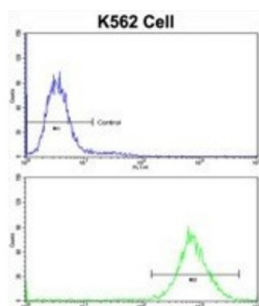


Protein Disulfide-Isomerase / PDI (P4HB) Antibody

Catalogue No.: abx031784



P4HB is 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

Tested Applications: ELISA, WB, IHC, FCM

Datasheet

Version: 9.0.0
Revision date: 29 Sep 2025



Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/50 - 1/100, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 436-464 amino acids from the C-terminal region of human P4HB.
Isotype:	IgG
Form:	Liquid
Purification:	Purified Rabbit Polyclonal Antibody.
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
HGNC:	8548
KEGG:	hsa:5034
Ensembl:	ENSG00000185624
String:	9606.ENSP00000327801
Molecular Weight:	Calculated MW: 57.1 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Mouse, Rat, Cow and Hamster P4HB.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.