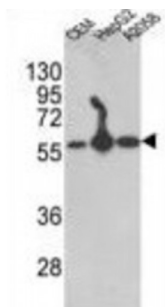
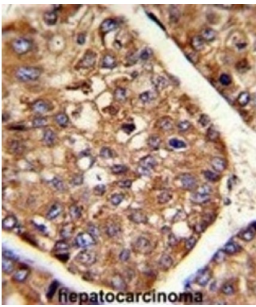
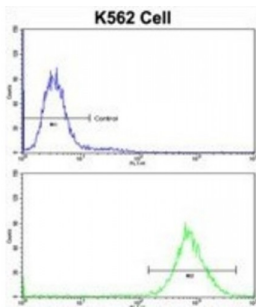


## Protein Disulfide-Isomerase / PDI (P4HB) Antibody

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: 7.0.0  
Revision date: 21 Aug 2024



|                               |  |
|-------------------------------|--|
| <b>Host:</b>                  | Rabbit   |
| <b>Recommended dilutions:</b> | 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. |
| <b>Conjugation:</b>           | Unconjugated   |
| <b>Immunogen:</b>             | KLH-conjugated synthetic peptide between 436-464 amino acids from the C-terminal region of human P4HB.   |
| <b>Isotype:</b>               | IgG  |
| <b>Form:</b>                  | Liquid   |
| <b>Purification:</b>          | Purified Rabbit Polyclonal Antibody.   |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.   |
| <b>UniProt Primary AC:</b>    | P07237 ( <a href="#">UniProt</a> , <a href="#">ExpASY</a> )  |
| <b>Gene Symbol:</b>           | P4HB   |
| <b>GeneID:</b>                | <a href="#">5034</a>   |
| <b>OMIM:</b>                  | <a href="#">112240</a>   |
| <b>HGNC:</b>                  | 8548   |
| <b>KEGG:</b>                  | hsa:5034   |
| <b>Ensembl:</b>               | ENSG00000185624  |
| <b>String:</b>                | <a href="#">9606.ENSP00000327801</a>   |
| <b>Molecular Weight:</b>      | Calculated MW: 57.1 kDa  |
| <b>Buffer:</b>                | PBS containing 0.09% sodium azide.   |
| <b>Specificity:</b>           | Predicted to react with Mouse, Rat, Cow and Hamster P4HB.  |
| <b>Note:</b>                  | This product is for research use only.   |