

Datasheet for ABIN389450  
**anti-P4HB antibody (C-Term)**

3 Images



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## Overview

Quantity:	400 µL
Target:	P4HB
Binding Specificity:	AA 436-464, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P4HB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	This P4HB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 436-464 amino acids from the C-terminal region of human P4HB.
Clone:	RB20830
Isotype:	Ig Fraction
Predicted Reactivity:	B, Ha, M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	P4HB
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## Target Details

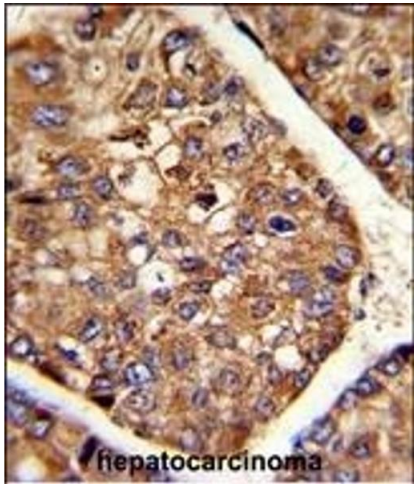
Alternative Name:	P4HB ( <a href="#">P4HB Products</a> )
Background:	P4HB is a highly abundant multifunctional enzyme that belongs to the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, this enzyme is involved in hydroxylation of prolyl residues 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.
Molecular Weight:	57116
Gene ID:	5034
NCBI Accession:	<a href="#">NP_000909</a>
UniProt:	<a href="#">P07237</a>
Pathways:	<a href="#">Maintenance of Protein Location</a> , <a href="#">Cell RedoxHomeostasis</a> , <a href="#">Lipid Metabolism</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

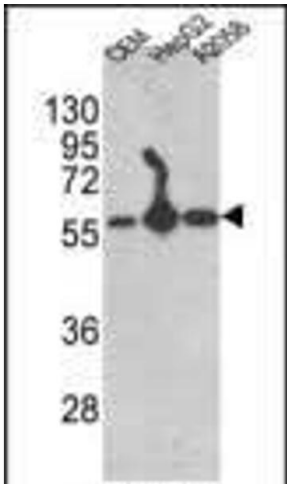
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



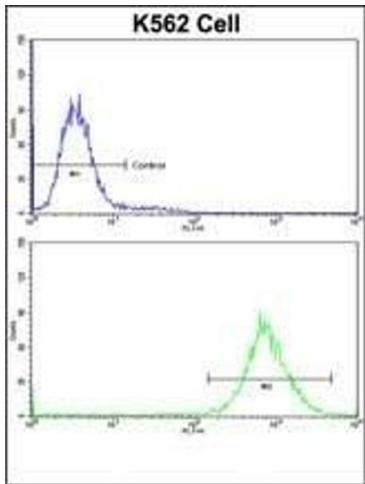
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with P4HB Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** Western blot analysis of P4HB Antibody (C-term) (ABIN389450 and ABIN2839519) in CEM, HepG2, cell line lysates (35 µg/lane). P4HB (arrow) was detected using the purified Pab.(2 µg/mL)



**Flow Cytometry**

**Image 3.** Flow cytometric analysis of K562 cells using P4HB Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram)FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.