antibodies .- online.com







anti-P4HB antibody (C-Term)





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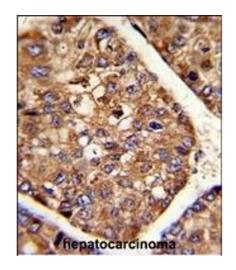
Quantity:	400 μL		
Target:	Р4НВ		
Binding Specificity:	AA 436-464, C-Term		
Reactivity:	Human		
Host:	Rabbit		
Clonality:	Polyclonal		
Conjugate:	This P4HB antibody is un-conjugated		
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Fl Cytometry (FACS)		
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: P4HB

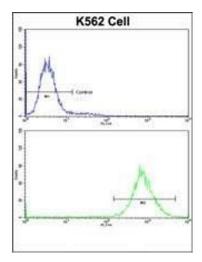
Target Details

Target Details

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Alternative Name:	P4HB (P4HB Products)		
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 preprocollagen. 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:	NP_000909		
UniProt:	P07237		
Pathways:	Maintenance of Protein Location, Cell RedoxHomeostasis, Lipid Metabolism		
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 sma aliquots to prevent freeze-thaw cycles.		
Expiry Date:	6 months		



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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 μ g/lane). P4HB (arrow) was detected using the purified Pab.(2 μ g/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 goatanti-rabbit secondary antibodies were used for the analysis.