antibodies -online.com







anti-P4HB antibody (AA 329-508)



Images



0	1 /	-	K	/1	-	1 A
u	\/	\vdash	ı ۱	/ I	\vdash	1/1

Quantity:	100 μL
Target:	P4HB
Binding Specificity:	AA 329-508
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P4HB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 329-508 of human P4HB (NP_000909.2).
Sequence:	PESEELTAER ITEFCHRFLE GKIKPHLMSQ ELPEDWDKQP VKVLVGKNFE DVAFDEKKNV FVEFYAPWCG HCKQLAPIWD KLGETYKDHE NIVIAKMDST ANEVEAVKVH SFPTLKFFPA SADRTVIDYN GERTLDGFKK FLESGGQDGA GDDDDLEDLE EAEEPDMEED DDQKAVKDEL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

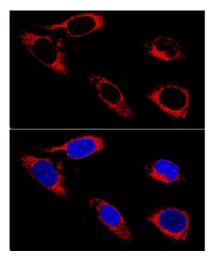
Target Details

Target:	P4HB			
Alternative Name:	P4HB (P4HB Products)			
Background:	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			
	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.,P4HB,CLCRP1,DSI,ERBA2L,GIT,P4Hbeta,PDI,PDIA1,PHDB,PO4DB,PO4HB,PROHB,Epigenetics			
	& Nuclear Signaling,RNA Binding,Cancer,Signal Transduction,Cell Biology & Developmental			
	Biology,Cytoskeleton,Extracellular Matrix,Collagen,Endocrine & Metabolism,Lipid Metabolism,P4HB			
Molecular Weight:	57 kDa			
Gene ID:	5034			
UniProt:	P07237			
Pathways:	Maintenance of Protein Location, Cell RedoxHomeostasis, Lipid Metabolism			
Application Details				
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:20 - 1:100,IP,1:50 - 1:100			
Restrictions:	For Research Use only			
Handling				
Format:	Liquid			
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.			
Preservative:	Sodium azide			
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which			
	should be handled by trained staff only.			
Handling Advice:	Avoid freeze / thaw cycles			

Storage Comment:

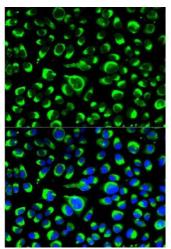
Store at -20°C. Avoid freeze / thaw cycles.

Images



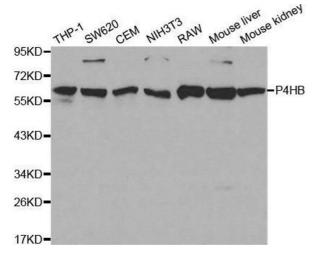
Immunofluorescence

Image 1. Confocal immunofluorescence analysis of U-20S cells using P4HB antibody (ABIN3021093, ABIN3021094, ABIN3021095 and ABIN1513299) at dilution of 1:400. Blue: DAPI for nuclear staining.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cell using P4HB antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using P4HB antibody.

Please check the product details page for more images. Overall 5 images are available for ABIN3021094.