

For Research Use Only

P4HA1 Recombinant monoclonal antibody

Catalog Number: 86825-1-RR



Basic Information

Catalog Number: 86825-1-RR	GenBank Accession Number: BC034998	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5033	CloneNo.: 251813G5
Source: Rabbit	UNIPROT ID: P13674	Recommended Dilutions: WB: 1:1000-1:6000
Isotype: IgG	Full Name: prolyl 4-hydroxylase, alpha polypeptide I	
Immunogen Catalog Number: AG3292	Calculated MW: 534 aa, 61 kDa	
	Observed MW: 61 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, A431 cells, PC-3 cells, HEK-293 cells, MCF-7 cells, ACHN cells

Background Information

P4HA1 (Prolyl 4-hydroxylase subunit alpha-1) is also known as P4HA and belongs to the P4HA family, which plays a central role in collagen synthesis. P4HA1 catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins. The gene encodes a polypeptide of 517 amino acid residues and a signal peptide of 17 amino acids and the full length protein has two glycosylation sites (uniprot). It can exist as a heteromer, dimer or tetramer (refer to: GENATLAS). P4HA1 has some isoforms with the MW 61-63 kDa and 57-59 kDa.

Storage

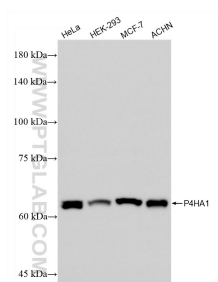
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86825-1-RR (P4HA1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.