

For Research Use Only

P4HA1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86825-1-PBS



Basic Information

Catalog Number: 86825-1-PBS	GenBank Accession Number: BC034998	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5033	CloneNo.: 251813G5
Source: Rabbit	UNIPROT ID: P13674	
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, Indirect ELISA

Species Specificity:
human

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

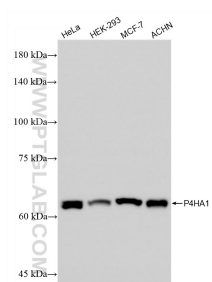
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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)
E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 86825-1-PBS in a different storage buffer formulation.