For Research Use Only

P4HA1 Polyclonal antibody

Catalog Number:12658-1-AP

Featured Product 25 Publications

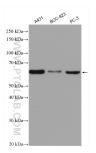


Basic Information	Catalog Number: 12658-1-AP	GenBank Accession Num BC034998	ber:	Purification Method: Antigen affinity purification
	Size: 150ul, Concentration: 500 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG3292	GeneID (NCBI): 5033 UNIPROT ID: P13674 Full Name: prolyl 4-hydroxylase, alp polypeptide I Calculated MW: 534 aa, 61 kDa	bha	Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF/ICC 1:200-1:800
		Observed MW: 61 kDa		
Applications	Tested Applications:	Po	ositive Contr	ols:
	WB, IHC, IF/ICC, IP, ELISA Cited Applications:			s, NIH/3T3 cells, human heart tissue, r -1080 cells, BGC-823 cells, PC-3 cells
	WB, IHC, IF	IP	A431 cells,	
	Species Specificity: human, mouse, rat		HC : human pa ancer tissue	ancreas cancer tissue, human breast
	Cited Species: human, mouse, rat		/ICC : U2OS	cells,
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
Background Information	central role in collagen synthesis. P4 Gly- sequences in collagens and othe signal peptide of 17 amino acids and	HA1 catalyzes the post-tra er proteins. The gene encod I the full length protein has	nslational fo les a polypep s two glycosy	longs to the P4HA family, which play: rmation of 4-hydroxyproline in -Xaa-P tide of 517 amino acid residues and a lation sites (uniprot). It can exist as a s with the MW 61-63 kDa and 57-59 kl
	central role in collagen synthesis. P4 Gly- sequences in collagens and othe signal peptide of 17 amino acids and heteromer, dimer or tetramer (refer to	HA1 catalyzes the post-tra er proteins. The gene encod I the full length protein has	nslational fo les a polypep s two glycosy	rmation of 4-hydroxyproline in -Xaa-P tide of 517 amino acid residues and a lation sites (uniprot). It can exist as a
	central role in collagen synthesis. P4 Gly- sequences in collagens and othe signal peptide of 17 amino acids and heteromer, dimer or tetramer (refer to Author Put	HA1 catalyzes the post-tra er proteins. The gene encoc I the full length protein has o: GENATLAS). P4HA1 has s	nslational fo des a polypep s two glycosy some isoform	rmation of 4-hydroxyproline in -Xaa-P tide of 517 amino acid residues and a lation sites (uniprot). It can exist as a s with the MW 61-63 kDa and 57-59 kl
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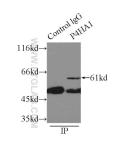
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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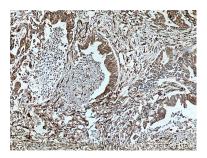
Selected Validation Data



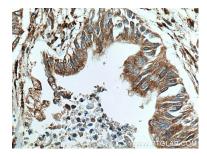
Various lysates were subjected to SDS PAGE followed by western blot with 12658-1-AP (P4HA1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



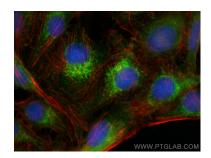
IP result of anti-P4HA1 (IP:12658-1-AP, 3ug; Detection:12658-1-AP 1:600) with A431 cells lysate 3300ug.



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 12658-1-AP (P4HA1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 12658-1-AP (P4HA1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using P4HA1 antibody (12658-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).