

Rabbit P4HA1 Polyclonal Antibody | anti-P4HA1 antibody

P4HA1 Antibody (C-term)

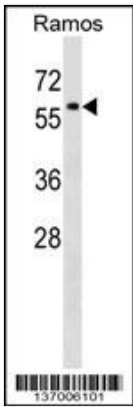
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287790	Rabbit	Human (Predicted Reactivity: Bovine)	ELISA, Western Blot

PRODUCT SYNONYMS

P4HA1; Polyclonal Antibody; P4HA1 Antibody (C-term); Prolyl 4-hydroxylase subunit alpha-1; 4-PH alpha-1; Procollagen-proline; 2-oxoglutarate-4-dioxygenase subunit alpha-1; P4HA; anti-P4HA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This P4HA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 414-442 amino acids from the C-terminal region of human P4HA1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	414-442
Sequence Length	516
Applicable Applications for anti-P4HA1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Other Acession	Q1RMU3
Function	Catalyzes the post-translational formation of 4- hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins.
Cellular Location	Endoplasmic reticulum lumen.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
P4HA1 Antibody (C-term) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the P4HA1 antibody detected the P4HA1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-P4HA1 antibody	This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides the major part of the catalytic site of the active enzyme. In collagen and related proteins, prolyl 4-hydroxylase catalyzes the formation of 4-hydroxyproline that is essential to the proper three-dimensional folding of newly synthesized procollagen chains. Alternatively spliced transcript variants encoding different isoforms have been described.
Product Categories/Family for anti-P4HA1 antibody	Signal Transduction
References	Rose, J. Phd, et al. Mol. Med. (2010) In press : Gorres, K.L., et al. PLoS ONE 4 (11), E7635 (2009) : Koivunen, P., et al. J. Biol. Chem. 281(39):28712-28720(2006) Fahling, M., et al. J. Biol. Chem. 281(36):26089-26101(2006) Grimmer, C., et al. Am. J. Pathol. 169(2):491-502(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	63252886
NCBI GeneID	5033
NCBI Accession #	NP_000908.2; NP_001017962.1; NP_001136067.1; NP_001136068.1
NCBI GenBank Nucleotide #	NM_000917.3
UniProt Accession #	P13674; Q15082; Q15083; Q5VSQ5; C9JL12
Molecular Weight	61049
NCBI Official Full Name	prolyl 4-hydroxylase subunit alpha-1 isoform 1
NCBI Official Synonym Full Names	prolyl 4-hydroxylase, alpha polypeptide I
NCBI Official Symbol	P4HA1
NCBI Official Synonym Symbols	P4HA
NCBI Protein Information	prolyl 4-hydroxylase subunit alpha-1

UniProt Protein Name	Prolyl 4-hydroxylase subunit alpha-1
UniProt Gene Name	P4HA1
UniProt Synonym Gene Names	P4HA; 4-PH alpha-1
UniProt Entry Name	P4HA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/p4ha1-antibody-western-blot-elisa/287790>