

Rabbit P4HA1 Polyclonal Antibody | anti-P4HA1 antibody

P4HA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323043	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

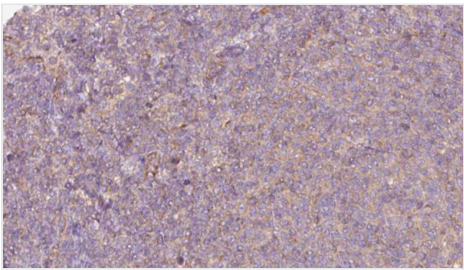
PRODUCT SYNONYMS

P4HA1; Polyclonal Antibody; P4HA1 Antibody; 2-oxoglutarate-4-dioxygenase subunit alpha-1; 4-hydroxylase; alpha I subunit; 4-PH alpha-1; P4HA; P4HA1_HUMAN; Procollagen-proline; 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase); alpha polypeptide I; Prolyl 4-hydroxylase subunit alpha-1; anti-P4HA1 antibody

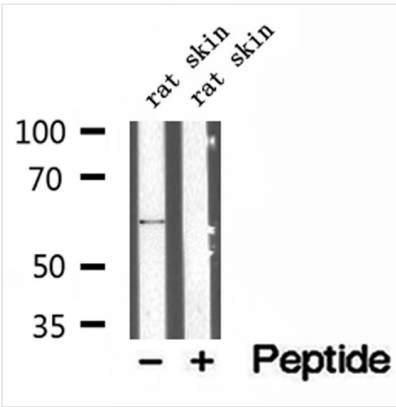
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	P4HA1 antibody detects endogenous levels of P4HA1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	534
Applicable Applications for anti-P4HA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human P4HA1.
Subcellular Location	Endoplasmic Reticulum Lumen.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323043 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of rat skin tissue, using P4HA1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-P4HA1 antibody	Function: Catalyzes the post-translational formation of 4-hydroxyproline in-Xaa-Pro-Gly-sequences in collagens and other proteins. Subunit Structure: Heterotetramer of two alpha-1 chains and two beta chains (the beta chain is the multi-functional PDI). Similarity: Belongs to the P4HA family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	63252886
NCBI GeneID	5033
NCBI Accession #	NP_000908.2
NCBI GenBank Nucleotide #	NM_000917.3
UniProt Accession #	P13674; Q15082; Q15083; Q5VSQ5; C9JL12
Molecular Weight	Observed: 61 kDa Predicted: 62 kDa
NCBI Official Full Name	prolyl 4-hydroxylase subunit alpha-1 isoform 1
NCBI Official Synonym Full Names	prolyl 4-hydroxylase subunit alpha 1
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

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.