

Rabbit P4HA2 Polyclonal Antibody | anti-P4HA2 antibody

P4HA2 Antibody

CATALOG # AAA323263	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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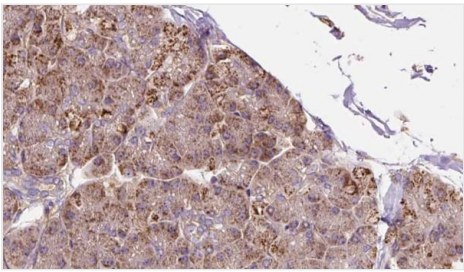
PRODUCT SYNONYMS

P4HA2; Polyclonal Antibody; P4HA2 Antibody; 2-oxoglutarate-4-dioxygenase subunit alpha-2; 4 PH alpha 2; 4-PH alpha-2; C-P4Halp(II); collagen prolyl 4-hydroxylase alpha(II); P4HA2_HUMAN; procollagen proline; 2 oxoglutarate 4 dioxygenase (proline 4 hydroxylase); alpha polypeptide II; 2 oxoglutarate 4 dioxygenase alpha subunit; isoform 2; Procollagen-proline; procollagen-proline; Prolyl 4 hydroxylase alpha 2 subunit; Prolyl 4 hydroxylase subunit alpha 2 [Precursor]; Prolyl 4-hydroxylase subunit alpha-2; Prolyl 4-hydroxylase; anti-P4HA2 antibody

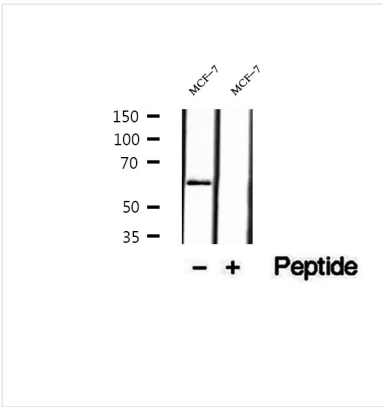
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	P4HA2 antibody detects endogenous levels of P4HA2.
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	533
Applicable Applications for anti-P4HA2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human P4HA2.
Subcellular Location	Endoplasmic Reticulum Lumen.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Horse (100%), Sheep (100%), Rabbit (83%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323263 at 1/100 staining Human pancreas 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 MCF-7 cells, using P4HA2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-P4HA2 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-2 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 #	63252891
NCBI GeneID	8974
NCBI Accession #	NP_001017973.1
NCBI GenBank Nucleotide #	NM_001017973.1
UniProt Accession #	O15460; Q8WWN0; D3DQ85; D3DQ86
Molecular Weight	Observed: 61 kDa Predicted: 61 kDa
NCBI Official Full Name	prolyl 4-hydroxylase subunit alpha-2 isoform 2
NCBI Official Synonym Full Names	prolyl 4-hydroxylase subunit alpha 2
NCBI Official Symbol	P4HA2
NCBI Official Synonym Symbols	MYP25
NCBI Protein Information	prolyl 4-hydroxylase subunit alpha-2
UniProt Protein Name	Prolyl 4-hydroxylase subunit alpha-2
UniProt Gene Name	P4HA2
UniProt Synonym Gene Names	4-PH alpha-2

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.