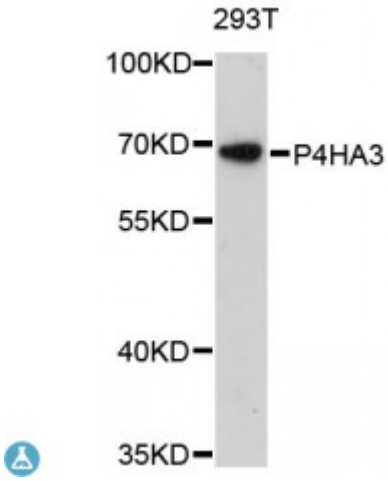
Anti-P4HA3 Antibody



Description	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. Alternative splicing results in multiple transcript variants.

Model	STJ115714
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20-110 of human P4HA3 (NP_878907.1).
Gene ID	283208
Gene Symbol	P4HA3
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highly expressed in placenta, liver and fetal skin, Weakly expressed in fetal epiphyseal cartilage, fetal liver, fibroblast, lung and skeletal muscle, Expressed also in fibrous cap of carotid atherosclerotic lesions
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Prolyl 4-hydroxylase subunit alpha-3 4-PH alpha-3
Molecular Weight	61.126 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:30135OMIM:608987Reactome:R-HSA-1650814
Alternative Names	Prolyl 4-hydroxylase subunit alpha-3 4-PH alpha-3
Function	Catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins,
Cellular Localization	Endoplasmic reticulum lumen
Post-translational Modifications	N-glycosylation plays no role in the catalytic activity

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