

ARG59851 anti-P4HA3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes P4HA3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	P4HA3
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 20-110 of Human P4HA3 (NP_878907.1).
Conjugation	Un-conjugated
Alternate Names	4-PH alpha-3; Procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-3; Prolyl 4-hydroxylase subunit alpha-3; EC 1.14.11.2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293T	
Observed Size	70 kDa	

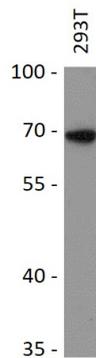
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	P4HA3
Gene Full Name	prolyl 4-hydroxylase, alpha polypeptide III
Background	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. [provided by RefSeq, Jan 2014]
Function	Catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins. [UniProt]
Calculated Mw	61 kDa
PTM	N-glycosylation plays no role in the catalytic activity. [UniProt]
Cellular Localization	Endoplasmic reticulum lumen. [UniProt]

Images



ARG59851 anti-P4HA3 antibody WB image

Western blot: 25 µg of 293T cell lysate stained with ARG59851 anti-P4HA3 antibody at 1:3000 dilution.