

ARG64159 anti-P4HA1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes P4HA1
Tested Reactivity	Hu
Predict Reactivity	Cow, Dog
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise both reported isoforms (NP_000908.2 and NP_001017962.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	P4HA1
Species	Human
Immunogen	C-DFARKDEPDAFKE
Conjugation	Un-conjugated
Alternate Names	Procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-1; P4HA; 4-PH alpha-1; EC 1.14.11.2; Prolyl 4-hydroxylase subunit alpha-1

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HEK293	
Observed Size	~ 60 kDa	

Properties

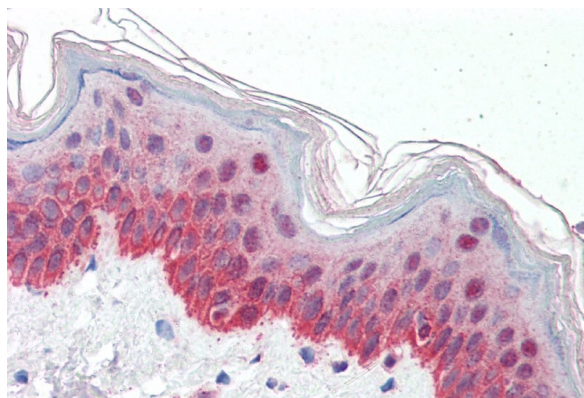
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
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 or below. 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

Database links	GeneID: 5033 Human Swiss-port # P13674 Human
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. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Research Area	Controls and Markers antibody; Signaling Transduction antibody
Calculated Mw	61 kDa

Images



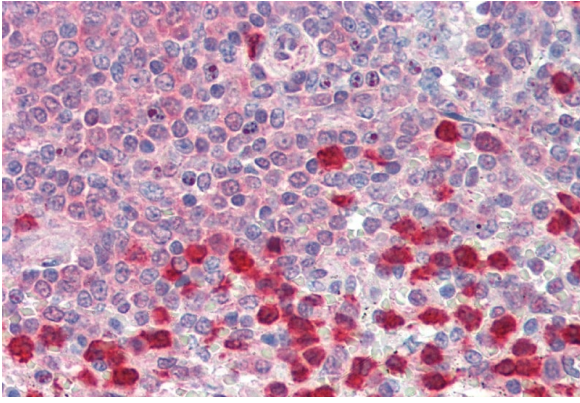
ARG64159 anti-P4HA1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human skin tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64159 anti-P4HA1 antibody at 5 µg/ml dilution followed by AP-staining.



ARG64159 anti-P4HA1 antibody WB image

Western blot: 35 µg of HEK293 cell lysate (in RIPA buffer) stained with ARG64159 anti-P4HA1 antibody at 0.2 µg/ml dilution and incubated at RT for 1 hour.



ARG64159 anti-P4HA1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue.
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64159 anti-P4HA1 antibody at 5 µg/ml dilution followed by AP-staining.