

## ARG59783 anti-P4HA2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes P4HA2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Specificity	This antibody might cross-react to P4HA1 based on sequence analysis (63%).
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	P4HA2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 234-533 of Human P4HA2 (NP_001136070.1).
Conjugation	Un-conjugated
Alternate Names	4-PH alpha-2; Procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-2; Prolyl 4-hydroxylase subunit alpha-2; 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	Rat brain, Mouse brain and SKOV3	
Observed Size	65 kDa	

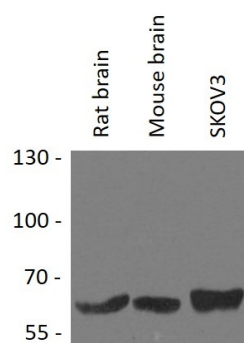
### Properties

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.

## Bioinformation

Gene Symbol	P4HA2
Gene Full Name	prolyl 4-hydroxylase, alpha polypeptide II
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]
Function	Catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins. [UniProt]
Calculated Mw	61 kDa
Cellular Localization	Endoplasmic reticulum lumen. [UniProt]

## Images



ARG59783 anti-P4HA2 antibody WB image

Western blot: 25 µg of Rat brain, Mouse brain and SKOV3 cell lysates stained with ARG59783 anti-P4HA2 antibody at 1:1000 dilution.