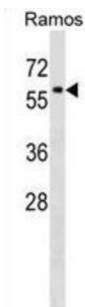


## Prolyl 4-Hydroxylase Subunit Alpha-1 (P4HA1) Antibody

Catalogue No.: abx029270



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.

<b>Target:</b>	Prolyl 4-Hydroxylase Subunit Alpha-1 (P4HA1)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	KLH-conjugated synthetic peptide between 414-442 amino acids from the C-terminal region of human P4HA1.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified through a protein A column, followed by peptide affinity purification.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P13674 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )

# Datasheet

Version: 4.0.0

Revision date: 30 Jun 2025



**KEGG:** hsa:5033

**String:** [9606.ENSP00000263556](#)

**Molecular Weight:** Calculated MW: 61 kDa

**Buffer:** PBS containing 0.09% sodium azide.

**Specificity:** Predicted to react with Cow P4HA1.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only