# ANTIBODIES ONLINE

# Datasheet for ABIN2788990 anti-P4HA1 antibody (Middle Region)

Image



Overview

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Quantity:	100 µL
Target:	P4HA1
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Dog, Pig, Cow, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P4HA1 antibody is un-conjugated
Application:	Western Blotting (WB)

# Product Details

Sequence:	MAKEKDVNKS ASDDQSDQKT TPKKKGVAVD YLPERQKYEM LCRGEGIKMT
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 79%, Horse: 93%, Human: 100%, Mouse: 85%, Pig: 86%, Rabbit: 86%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against P4HA1. It was validated on Western Blot.
Purification:	Affinity Purified

### Target Details

Target:	P4HA1
Alternative Name:	P4HA1 (P4HA1 Products)
Background:	This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis

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## Target Details

	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. Alias Symbols: P4HA Protein Interaction Partner: IRS4, UBC, WWOX, HDAC10, UBL4A, CFTR, CUL3, ELAVL1, CDK9, IRF7, EBNA-LP, SMN1, MYC, Protein Size: 516
Molecular Weight:	56 kDa
Gene ID:	5033
NCBI Accession:	NM_001142596, NP_001136068
UniProt:	C9JL12
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 516 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Ctorogo:	-20 °C

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### Handling

Storage Comment:

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Images



Rabbit Anti-P4HA1 Antibody Catalog Number: ARP62017 Lot Number: QC32798 Lane: OVCAR-3 Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

#### Western Blotting

#### Image 1.

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