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Datasheet for ABIN6145135
anti-P4HA1 antibody (AA 235-534)

3 Images

Overview

Quantity:	100 µL
Target:	P4HA1
Binding Specificity:	AA 235-534
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P4HA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 235-534 of human P4HA1 (NP_001017962.1).
Sequence:	DPEHQRANGN LKYFEYIMAK EKDVNKSASD DQSDQKTPK KKGVAVDYLP ERQKYEMLCR GEGIKMTPRR QKKLFCRYHD GNRNPKFILA PAKQEDEWDK PRIIRFHDII SDAEIEIVKD LAKPRLRRAT ISNPITGDLE TVHYRISKSA WLSGYENPVV SRINMRIQDL TGLDVSTAAE LQVANYGVGG QYEPHFDFAR KDEPDAFKEL GTGNRIATWL FYMSDVSAGG ATVFPEVGAS VWPKKGTAVF WYNLFASGEG DYSTRHAACP VLVGNKWWSN KWLHERGQEF RRPCTLSELE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

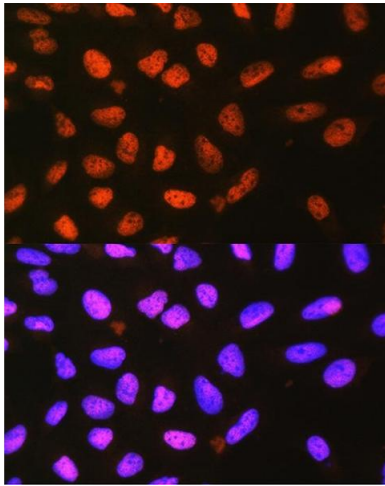
Target:	P4HA1
Alternative Name:	P4HA1 (P4HA1 Products)
Background:	<p>This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides 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.,P4HA1,P4HA,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Collagen,P4HA1</p>
Molecular Weight:	58 kDa/60 kDa/61 kDa
Gene ID:	5033
UniProt:	P13674

Application Details

Application Notes:	WB,1:1000 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

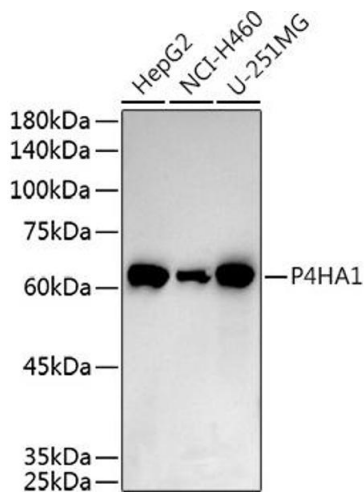
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



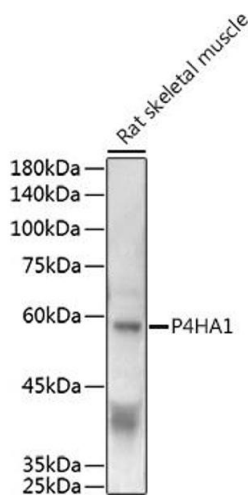
Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using P4H Rabbit pAb (0538) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using P4H antibody (0538) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.



Western Blotting

Image 3. Western blot analysis of extracts of Rat skeletal muscle, using P4H antibody (0538) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 120.