

Datasheet for ABIN6145137
anti-P4HA3 antibody (AA 20-110)



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3 Images

Overview

Quantity:	100 µL
Target:	P4HA3
Binding Specificity:	AA 20-110
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P4HA3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 20-110 of human P4HA3 (NP_878907.1).
Sequence:	DPERAAARGD TFSALTSVAR ALAPERLLG LLRRYLRGEE ARLRDLTRFY DKVLSLHEDS TTPVANPLLA FTLIKRLQSD WRNVVHSLEA S
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	P4HA3
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Target Details

Alternative Name: P4HA3 ([P4HA3 Products](#))

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. Alternative splicing results in multiple transcript variants.,P4HA3,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Collagen,P4HA3

Molecular Weight: 28 kDa/61 kDa/67 kDa

Gene ID: 283208

UniProt: [Q7Z4N8](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

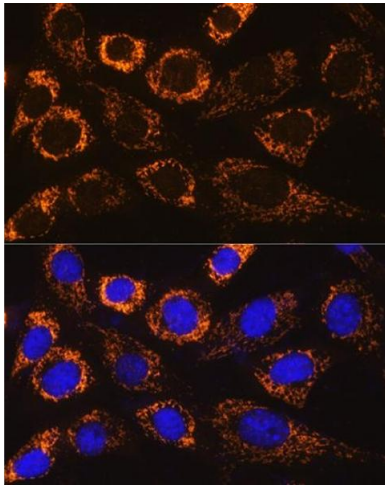
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

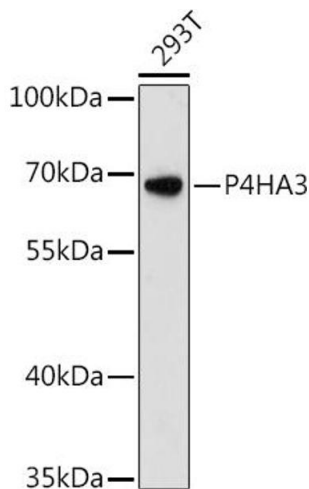
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



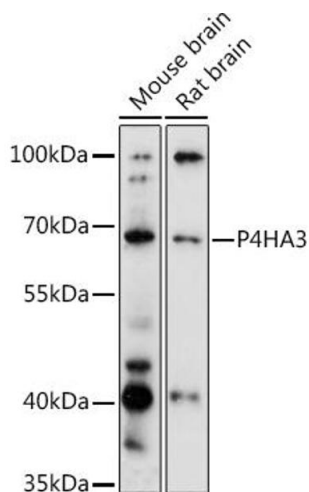
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using P4H Rabbit pAb (ABIN6132886, ABIN6145137, ABIN6145138 and ABIN6217878) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of 293T cells, using P4H antibody (ABIN6132886, ABIN6145137, ABIN6145138 and ABIN6217878) at 1:3000 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 Basic Kit (RM00020). Exposure time: 90s.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using P4H antibody (ABIN6132886, ABIN6145137, ABIN6145138 and ABIN6217878) at 1:3000 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: 90s.