


## Product datasheet

# Anti-P4HA2 antibody ab70887

★★★★★ [1 Abreviews](#) [1 References](#) [3 Images](#)

### Overview

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<b>Product name</b>	Anti-P4HA2 antibody
<b>Description</b>	Rabbit polyclonal to P4HA2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Chimpanzee, Baboon, Rhesus monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Synthetic peptide corresponding to a region between residue 250 and 300 of human P4HA2. (NP_004190.1)
<b>Positive control</b>	HeLa and 293T whole cell lysates.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70887 in the following tested applications.

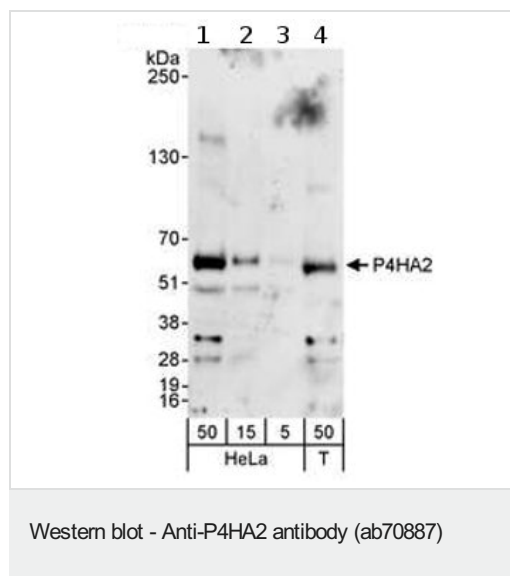
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/2000 - 1/10000. Detects a band of approximately 61 kDa (predicted molecular weight: 61 kDa).
IP		Use at 2-5 µg/mg of lysate.

## Target

<b>Function</b>	Catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins.
<b>Sequence similarities</b>	Belongs to the P4HA family. Contains 1 Fe2OG dioxygenase domain. Contains 1 TPR repeat.
<b>Cellular localization</b>	Endoplasmic reticulum lumen.

## Images



**All lanes :** Anti-P4HA2 antibody (ab70887) at 0.04 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** 293T whole cell lysate at 50 µg

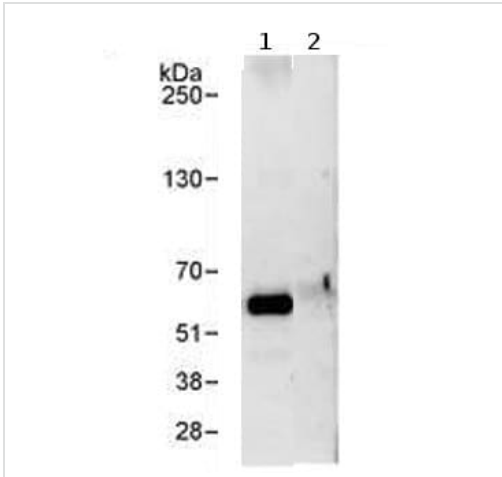
Developed using the ECL technique.

**Predicted band size:** 61 kDa

**Observed band size:** 61 kDa

**Additional bands at:** 28 kDa, 33 kDa, 50 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 3 minutes

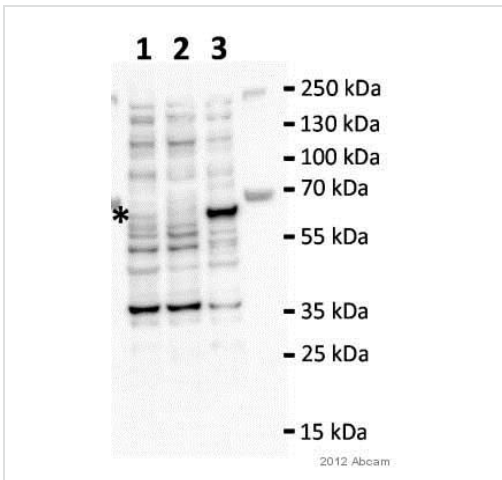


Immunoprecipitation - Anti-P4HA2 antibody (ab70887)

HeLa whole cell lysate (at 1 mg for IP, 20% of IP loaded) with ab70887 at 1 µg/ml for WB subsequent to IP at 3 µg/mg lysate.

Lane 2: control IgG.

Detection: Chemiluminescence with an exposure time of 30 seconds.



Western blot - Anti-P4HA2 antibody (ab70887)  
Image courtesy of an anonymous Abreview.

**All lanes :** Anti-P4HA2 antibody (ab70887) at 1 µg/ml

**Lane 1 :** Whole cell lysate prepared from 9L cells

**Lane 2 :** Whole cell lysate prepared from PC12 cells

**Lane 3 :** Whole cell lysate prepared from RIE-1 cells

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** HRP conjugated pig anti-rabbit polyclonal at 1/5000 dilution

Developed using the ECL technique.

**Predicted band size:** 61 kDa

**Observed band size:** 61 kDa

**Additional bands at:** 35 kDa (possible degradation product)

**Exposure time:** 5 minutes

Good immunoreactivity observed in RIE-1 cell lysate that is

consistent with the mobility of full-length P4HA2. A faster migrating species of ~35 kDa has been commonly observed with other antibodies (including this one) that could be a degradation product or alternatively spliced form of P4HA2. Further characterisation is required.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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