

Product datasheet

Anti-PCSK9 antibody ab272907

2 Images

Overview

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<b>Product name</b>	Anti-PCSK9 antibody
<b>Description</b>	Rabbit polyclonal to PCSK9
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human PCSK9. The exact sequence is proprietary. Center region. Database link: <a href="#">Q8NBP7</a>
<b>Positive control</b>	WB: HeLa, A431 and HepG2 whole cell extract.
<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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
<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 ab272907 in the following tested applications.

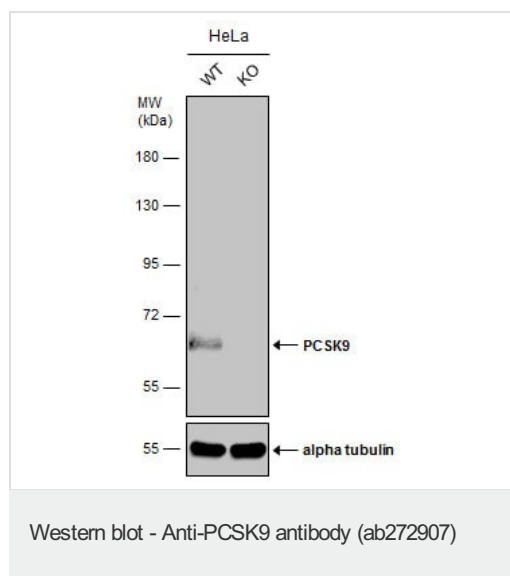
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000.

## Target

<b>Function</b>	May be implicated in the differentiation of cortical neurons and may play a role in cholesterol homeostasis.
<b>Tissue specificity</b>	Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.
<b>Involvement in disease</b>	Defects in PCSK9 are the cause of familial hypercholesterolemia 3 (FH3) [MIM:603776]. FH3 inheritance is autosomal dominant.
<b>Sequence similarities</b>	Belongs to the peptidase S8 family. Contains 1 peptidase S8 domain.
<b>Post-translational modifications</b>	The soluble zymogen undergoes autocatalytic intramolecular processing in the endoplasmic reticulum, resulting in the cleavage of its propeptide that remains associated with the secreted enzyme.
<b>Cellular localization</b>	Secreted.

## Images



**All lanes** : Anti-PCSK9 antibody (ab272907) at 1/500 dilution

**Lane 1** : HeLa Wild type cell lysate

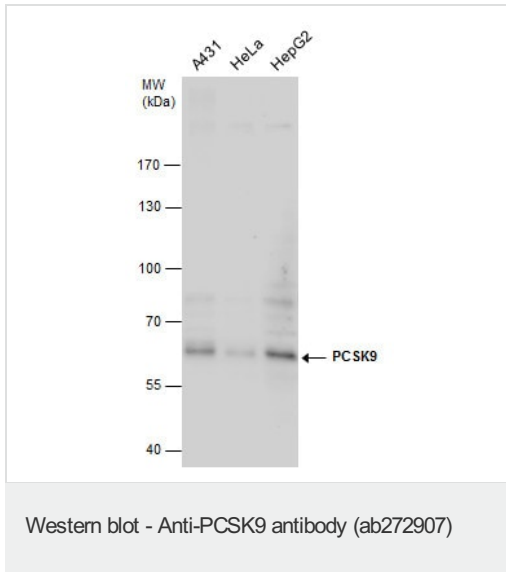
**Lane 2** : HeLa PCSK9 knockout cell lysate

Lysates/proteins at 30 µg per lane.

### Secondary

**All lanes** : HRP-conjugated anti-rabbit IgG antibody

7.5% SDS-PAGE



**All lanes** : Anti-PCSK9 antibody (ab272907) at 1/500 dilution

**Lane 1** : A431 (Human epidermoid carcinoma cell line) cell lysate

**Lane 2** : HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate

**Lane 3** : HepG2 (Human liver hepatocellular carcinoma cell line) cell lysate

Lysates/proteins at 30 µg per lane.

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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