

Product datasheet

Anti-PCSK9 antibody ab28770

★★★★☆ 2 Abreviews 11 References 2 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-PCSK9 antibody |
| Description | Goat polyclonal to PCSK9 |
| Host species | Goat |
| Tested applications | Suitable for: WB, ICC/IF |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide: CRSRHLAQASQELQ , corresponding to C terminal amino acids 679-692 of Human PCSK9 Run BLAST with Run BLAST with |
| Positive control | WB: Human adipose lysate. ICC: SHSY5Y cells. |
| General notes | <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&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| Storage buffer | pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA |
| Purity | Immunogen affinity purified |
| Purification notes | ab28770 was purified from goat serum by ammonium sulphate precipitation prior to immunogen affinity chromatography. |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab28770 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 | ★★★★☆ (2) | Use a concentration of 0.3 - 1 µg/ml. Predicted molecular weight: 74 kDa. 1 hour primary incubation is recommended for this product. |
| ICC/IF | | Use a concentration of 5 µg/ml. |

Target

Function

May be implicated in the differentiation of cortical neurons and may play a role in cholesterol homeostasis.

Tissue specificity

Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.

Involvement in disease

Defects in PCSK9 are the cause of familial hypercholesterolemia 3 (FH3) [MIM:603776]. FH3 inheritance is autosomal dominant.

Sequence similarities

Belongs to the peptidase S8 family.
Contains 1 peptidase S8 domain.

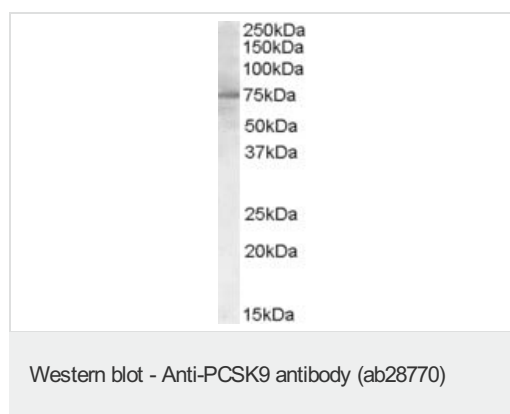
Post-translational modifications

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.

Cellular localization

Secreted.

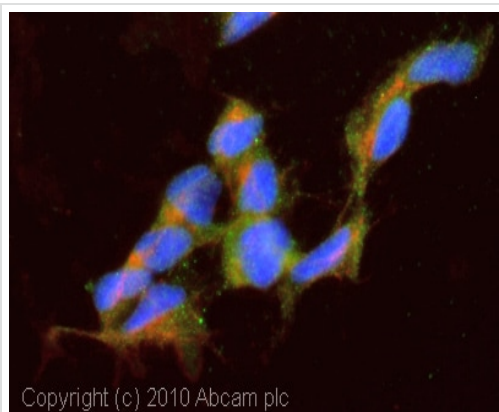
Images



Anti-PCSK9 antibody (ab28770) at 0.3 µg/ml + Human Adipose lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 74 kDa



Immunocytochemistry/ Immunofluorescence - Anti-PCSK9 antibody (ab28770)

ICC/IF image of ab28770 stained SHSY5Y cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal donkey serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab28770, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 donkey anti-goat IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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

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