

## Product datasheet

# Anti-SREBP2 antibody ab194667

[1 References](#) [2 Images](#)

### Overview

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|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-SREBP2 antibody  |
| <b>Description</b>         | Mouse polyclonal to SREBP2  |
| <b>Host species</b>        | Mouse   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat, Chinese hamster    |
| <b>Immunogen</b>           | Recombinant fragment (GST-tag) corresponding to Human SREBP2 aa 800-900. (AAH56158).<br>Database link: <a href="#">Q12772</a><br> <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>  |
| <b>Positive control</b>    | IMR-32 cell lysate; recombinant Human SREBP2 protein (immunogen).   |
| <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>       | Constituent: 50% Glycerol (glycerin, glycerine)   |
| <b>Purity</b>               | Whole antiserum   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab194667 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 - 1/1000. Predicted molecular weight: 123 kDa. |

## Target

### Function

Transcriptional activator required for lipid homeostasis. Regulates transcription of the LDL receptor gene as well as the cholesterol and to a lesser degree the fatty acid synthesis pathway (By similarity). Binds the sterol regulatory element 1 (SRE-1) (5'-ATCACCCAC-3') found in the flanking region of the LDRL and HMG-CoA synthase genes.

### Tissue specificity

Ubiquitously expressed in adult and fetal tissues.

### Sequence similarities

Belongs to the SREBP family.  
Contains 1 basic helix-loop-helix (bHLH) domain.

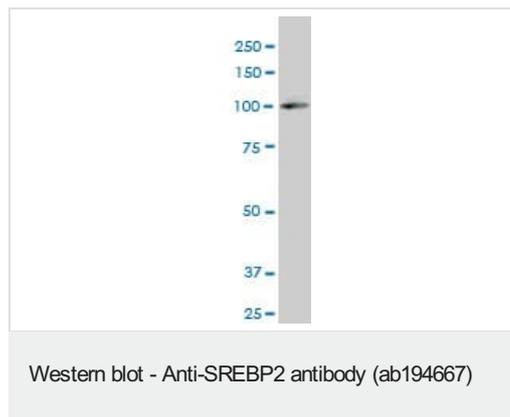
### Post-translational modifications

At low cholesterol the SCAP/SREBP complex is recruited into COPII vesicles for export from the ER. In the Golgi complex SREBPs are cleaved sequentially by site-1 and site-2 protease. The first cleavage by site-1 protease occurs within the luminal loop, the second cleavage by site-2 protease occurs within the first transmembrane domain and releases the transcription factor from the Golgi membrane. Apoptosis triggers cleavage by the cysteine proteases caspase-3 and caspase-7.

### Cellular localization

Nucleus and Endoplasmic reticulum membrane. Golgi apparatus membrane. Cytoplasmic vesicle > COPII-coated vesicle membrane. Moves from the endoplasmic reticulum to the Golgi in the absence of sterols.

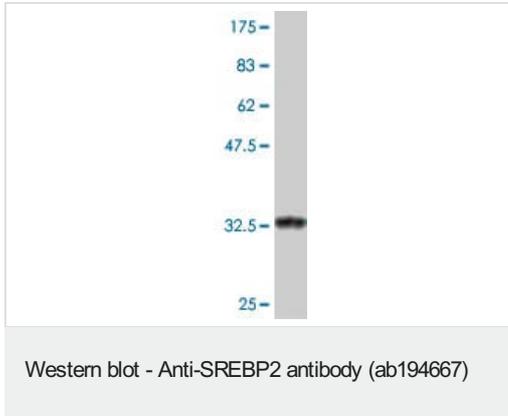
## Images



Anti-SREBP2 antibody (ab194667) at 1/500 dilution + IMR-32 cell lysate at 50 µg

Developed using the ECL technique.

**Predicted band size:** 123 kDa



Anti-SREBP2 antibody (ab194667) at 1/1000 dilution +  
Recombinant Human SREBP2 protein (immunogen) at 0.2 µg

Developed using the ECL technique.

**Predicted band size:** 123 kDa

Predicted MWt of immunogen: 37.0 kDa.

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

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- 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
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