




Product datasheet

Anti-SREBP2 antibody ab194667

2 Images

Overview

Product name	Anti-SREBP2 antibody
Description	Mouse polyclonal to SREBP2
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chinese hamster 
Immunogen	Recombinant fragment (GST-tag) corresponding to Human SREBP2 aa 801-900. (AAH56158). Sequence: QAFCKNLLERAIESLVKPKQAKKKAGDQEEESCEFSSA LEYLKLLHSFVDS VGVMSPPLSRSSVLKKSALGPDIIICRWWTSAITVAISWL QGDDAAVRSHFT Database link: Q12772  Run BLAST with  Run BLAST with
Positive control	IMR-32 cell lysate; recombinant Human SREBP2 protein (immunogen).

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Constituent: 50% Glycerol
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab194667** in the following tested applications.

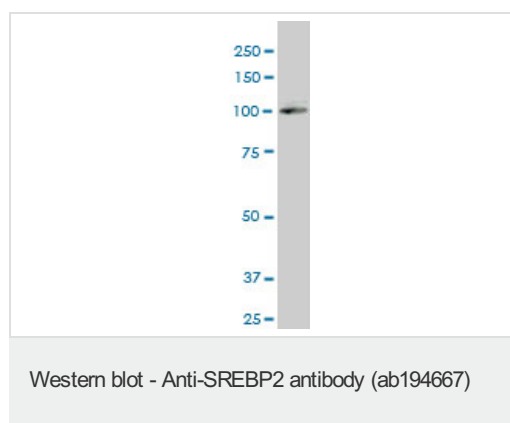
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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'-ATCACCCCAC-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.

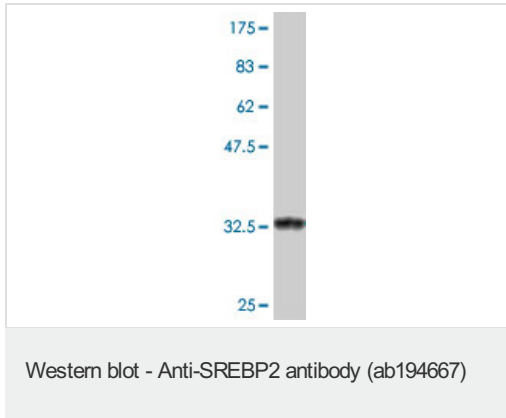
Images



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.

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