abcam

Product datasheet

Anti-Scavenger Receptor BI + BII antibody ab36970

4 References 2 Images

Overview

Product name	Anti-Scavenger Receptor BI + BII antibody
Description	Rabbit polyclonal to Scavenger Receptor BI + BII
Host species	Rabbit
Specificity	ab36970 is specific for SR-BI and SR-BII.
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse **Predicted to work with:** Rat
Immunogen	Synthetic peptide, corresponding to extracellular amino acids 230-280 of Scavenger Receptor BI + BII
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab36970 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		1/1000. Predicted molecular weight: 82 kDa.

Target

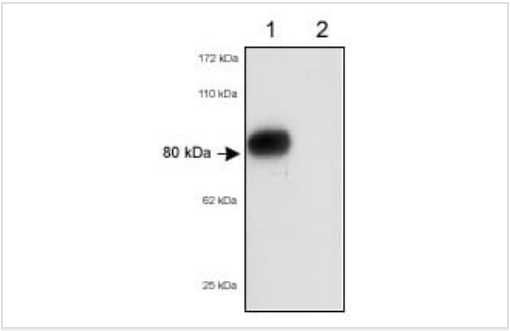
Relevance

High density lipoproteins (HDLs) play a critical role in cholesterol metabolism and their plasma concentrations are inversely correlated with risk for atherosclerosis. SR-BI and SR-BII (previously known as SR-BI.2) are the alternatively spliced products of a single gene. SR-BII and SR-BI are identical except for the encoded c-terminal cytoplasmic domain. Both SR-BI and SR-BII bind HDL and mediates selective uptake of HDL cholesteryl ester, but with SR-BII having an approximately 4-fold lower efficiency than SR-BI. SR-BI and SR-BII are expressed primarily in liver and non-placental steroidgenic tissues. Although the role of these scavenger receptors is not completely clear, SR-BII mRNA results from the alternative splicing of SR-BI precursor transcripts with both isoforms mediating selective transfer of lipid between HDL and cells. Therefore, the relative expression and functional activities of these two isoforms create a potential means of regulating selective lipid transfer between HDL and cells.

Cellular localization

Lysosome; lysosomal membrane; multi-pass membrane protein.

Images

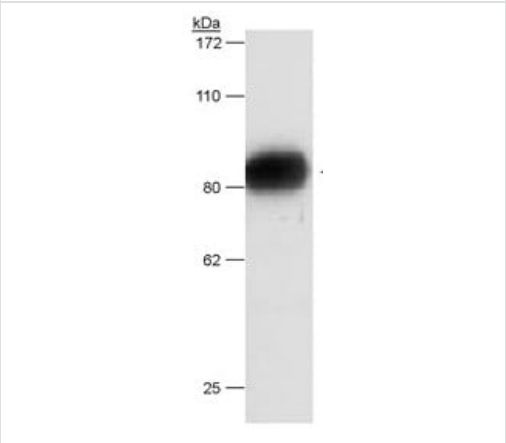


Western blot - Anti-Scavenger Receptor BI + BII antibody (ab36970)

All lanes : Anti-Scavenger Receptor BI + BII antibody (ab36970) at 1/1000 dilution

Lane 1 : wild-type mice
Lane 2 : SR-BI deficient mice

Predicted band size: 82 kDa



Western blot - Anti-Scavenger Receptor BI + BII antibody (ab36970)

Anti-Scavenger Receptor BI + BII antibody (ab36970) at 1/1000 dilution + 80 µg of total mouse liver lysates

Predicted band size: 82 kDa

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