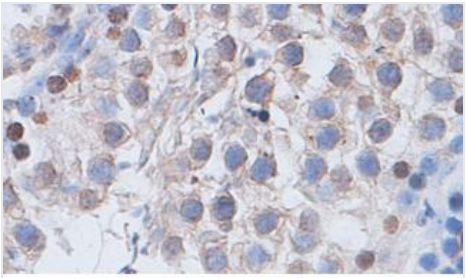
SR-B1 Antibody – Rabbit Polyclonal

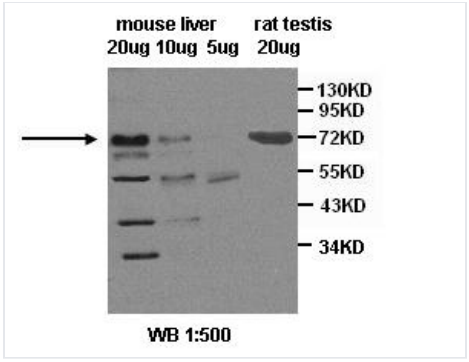
PRODUCT OVERVIEW

Product Name	SR-B1, Polyclonal Antibody
Full Product Name	SR-B1 Antibody
Product Gene Name	anti-SR-B1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	PBS, pH 7.4 with 0.02% Sodium Azide
Purity/Purification	Affinity purified
Concentration	1.0 mg/ml (lot specific)
Preparation and Storage	This product is stable for several weeks at 4 degree C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20 degree C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of receipt.
Molecular Weight	56,170 Da
OMIM	601040
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide
Target Name	SR-B1
Product Categories/Family for anti-SR-B1 antibody	Total protein Ab
Applications Tested/Suitable for anti-SR-B1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-SR-B1 antibody	MBS9402620 is an antibody targeting SR-B1. Also known as SR-B1 Antibody. Reactive in Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-SR-B1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemical staining of formalin-fixed paraffin-embedded mouse testis showing membrane staining with anti-SR-B1 antibody at a dilution of 1/100.

Testing Data of anti-SR-B1 antibody



Testing Data of anti-SR-B1 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SR-B1. It may not necessarily be applicable to this product.

NCBI GI #	132566680
NCBI GeneID	949
NCBI Accession #	NP_001076428.1
UniProt Secondary Accession #	Q14016; Q52LZ5; Q6KFX4; F8W8N0
UniProt Related Accession #	Q8WTV0
GenBank Nucleotide #	NM_001082959.1
NCBI Official Full Name	scavenger receptor class B member 1 isoform 2
NCBI Official Synonym Full Names	scavenger receptor class B, member 1
NCBI Official Symbol	SCARB1
NCBI Official Synonym Symbols	CLA1; SRB1; CLA-1; SR-BI; CD36L1; HDLQTL6
UniProt Protein Name	Scavenger receptor class B member 1
UniProt Synonym Protein Names	CD36 and LIMPII analogous 1; CLA-1; CD36 antigen-like 1; Collagen type I receptor, thrombospondin receptor-like 1; SR-BI; CD_antigen: CD36
UniProt Gene Name	SCARB1
UniProt Synonym Gene Names	CD36L1; CLA1; SRB1; CLA-1
UniProt Entry Name	SCRB1_HUMAN
NCBI Protein Information	scavenger receptor class B member 1
NCBI Summary for SR-B1	The protein encoded by this gene is a plasma membrane receptor for high density lipoprotein cholesterol (HDL). The encoded protein mediates cholesterol transfer to and from HDL. In addition, this protein is a receptor for hepatitis C virus glycoprotein E2. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2011]

UniProt Comments for SR-B1	SCARB1: Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells. Probable receptor for HDL, located in particular region of the plasma membrane, called caveolae. Facilitates the flux of free and esterified cholesterol between the cell surface and extracellular donors and acceptors, such as HDL and to a lesser extent, apoB-containing lipoproteins and modified lipoproteins. Probably involved in the phagocytosis of apoptotic cells, via its phosphatidylserine binding activity. Receptor for hepatitis C virus glycoprotein E2. Binding between SCARB1 and E2 was found to be independent of the genotype of the viral isolate. Plays an important role in the uptake of HDL cholesteryl ester. Belongs to the CD36 family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass; Receptor, misc. Chromosomal Location of Human Ortholog: 12q24.31 Cellular Component: caveola; cell surface; integral to plasma membrane; intracellular membrane-bound organelle; lysosomal membrane; microvillus membrane; plasma membrane Molecular Function: apolipoprotein A-I binding; apolipoprotein binding; high-density lipoprotein binding; lipopolysaccharide binding; lipopolysaccharide receptor activity; low-density lipoprotein binding; phosphatidylinositol binding; phosphatidylserine binding; protein binding; protein homodimerization activity; transporter activity; viral receptor activity Biological Process: adhesion to host; androgen biosynthetic process; blood vessel endothelial cell migration; cell adhesion; cholesterol catabolic process; cholesterol efflux; cholesterol homeostasis; detection of lipopolysaccharide; endothelial cell proliferation; entry of virus into host cell; intestinal absorption; lipopolysaccharide transport; lipopolysaccharide-mediated signaling pathway; lipoprotein metabolic process; phospholipid transport; positive regulation of nitric-oxide synthase activity; receptor-mediated endocytosis; recognition of apoptotic cell; regulation of phagocytosis; reverse cholesterol transport; wound healing Disease: High Density Lipoprotein Cholesterol Level Quantitative Trait Locus 6
Research Articles on SR-B1	**1.** Several lipid-related gene polymorphisms interact with overweight/obesity to modulate blood pressure levels.
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