ARG57995
anti-SCARB1 / SRB1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SCARB1 / SRB1
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SCARB1 / SRB1
Species	Human
Immunogen	Synthetic peptide derived from Human SCARB1 / SR-BI.
Conjugation	Un-conjugated
Alternate Names	CLA-1; HDLQTL6; CD36L1; CD antigen CD36; CD36 antigen-like 1; CD36 and LIMPII analogous 1; Collagen type I receptor, thrombospondin receptor-like 1; Scavenger receptor class B member 1; SRB1; SR-BI; CLA1

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Human fetal liver
Observed Size	~ 76 kDa

Properties

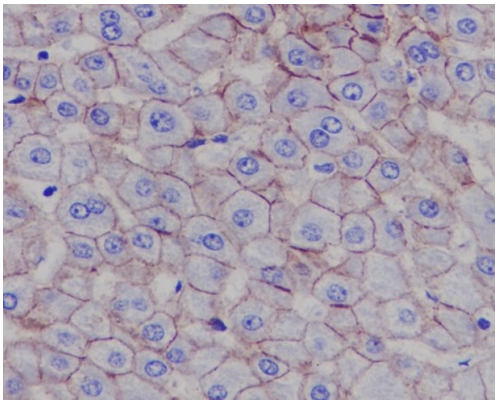
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

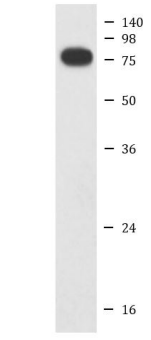
Gene Symbol	SCARB1
Gene Full Name	scavenger receptor class B, member 1
Background	The protein encoded by this gene is a plasma membrane receptor for high density lipoprotein cholesterol (HDL). The encoded protein mediates cholesterol transfer to and from HDL. In addition, this protein is a receptor for hepatitis C virus glycoprotein E2. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2011]
Function	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 (By similarity). [UniProt]
Calculated Mw	61 kDa
PTM	N-glycosylated. The six cysteines of the extracellular domain are all involved in intramolecular disulfide bonds. [UniProt]

Images



ARG57995 anti-SCARB1 / SRB1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver stained with ARG57995 anti-SCARB1 / SRB1 antibody.



Human fetal liver

ARG57995 anti-SCARB1 / SRB1 antibody WB image

Western blot: Human fetal liver lysate stained with ARG57995 anti-SCARB1 / SRB1 antibody.