Datasheet for ABIN6991126

anti-SCARB1 antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	SCARB1
Binding Specificity:	AA 70-120, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCARB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	SCARB1 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human SCARB1. The immunogen is located within amino acids 70 - 120 of SCARB1.
Isotype:	IgG
Specificity:	At least two isoforms of SCARB1 are known to exist, this antibody can detect both isoforms.
Purification:	SCARB1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SCARB1
Alternative Name:	SCARB1 (SCARB1 Products)

Target Details

Background:	SCARB1 Antibody: Scavenger receptor class B member 1 (SCARB1), also known as SR-BI, is part of the scavenger receptor superfamily, which is composed of many members with diverse structures, expression patterns, and functions. SCARB1 is a multi-ligand cell-surface receptor that mediates the selective uptake of lipid from HDL cholesterol into cells and is expressed in steroidogenic tissues in adult animals. Other ligands of SCARB1 include native, acetylated, or oxidized LDL and anionic phospholipids. SCARB1-deficient mice have elevated HDL levels and increased susceptibility to atherosclerosis on fat feeding, indicating its importance in the regulation of cholesterol homeostasis. Along with CLDN1, LDL-R, and the tetraspanin superfamily member CD81, SCARB1 has been reported to be an entry factor for the Hepatitis C virus.
Molecular Weight:	Predicted: 56, 60 kDa Observed: 60 kDa
Gene ID:	949
UniProt:	Q8WTV0
Pathways:	Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Lipid Metabolism, SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	SCARB1 antibody can be used for detection of SCARB1 by Western blot at 1 - 2 µ,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µ,g/mL. For immunofluorescence start at 20 µ,g/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SCARB1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	SCARB1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.