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Datasheet for ABIN500682

anti-SCARB1 antibody (N-Term)

2 Images

Overview

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

Product Details

Immunogen:	SCARB1 antibody was raised against a 15 amino acid peptide near the amino terminus of human SCARB1.
Isotype:	IgG
Specificity:	This antibody detects SCARB1.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	SCARB1
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Target Details

Alternative Name: SCARB1 ([SCARB1 Products](#))

Background: 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. At least two isoforms of SCARB1 are known to exist. Synonyms: CD36 and LIMPII analogous 1, CD36 antigen-like 1, CD36L1, CLA-1, CLA1, Collagen type I receptor thrombospondin receptor-like 1, SR-BI, SRB1, Scavenger receptor class B member 1

Gene ID: 949, 37999904

UniProt: [Q8WTV0](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Hepatitis C](#), [Lipid Metabolism](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

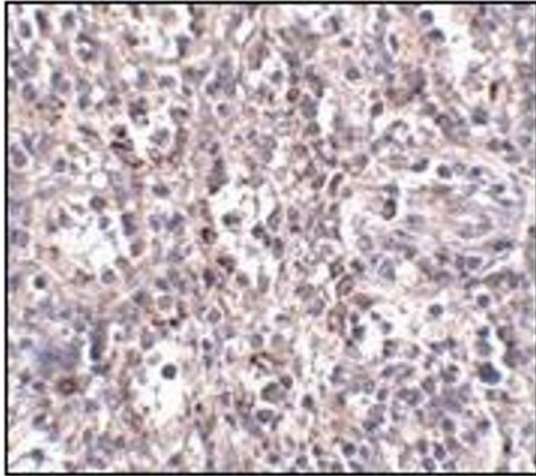
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Handling

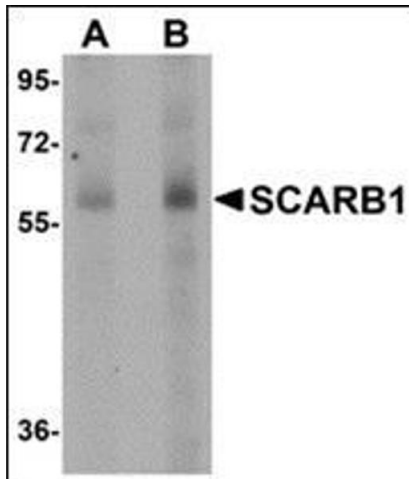
Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of SCARB1 in human spleen tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of SCARB1 in human spleen tissue lysate with this product at (A) 1 and (B) 2 µg/ml.