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SCARB1 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19624a

Specification

SCARB1 Antibody(N-term) - Product Information

Application	**WB,E**
Primary Accession	Q8WTV0
Other Accession	Q8SQC1, NP_005496.4
Reactivity	**Human**
Predicted	**Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**72-101**

SCARB1 Antibody(N-term) - Additional Information

Gene ID 949

Other Names
Scavenger receptor class B member 1, SRB1, CD36 and LIMPII analogous 1, CLA-1, CD36 antigen-like 1, Collagen type I receptor, thrombospondin receptor-like 1, SR-BI, CD36, SCARB1, CD36L1, CLA1

Target/Specificity
This SCARB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-101 amino acids from the N-terminal region of human SCARB1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SCARB1 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SCARB1 Antibody(N-term) - Protein Information

Name SCARB1

Synonyms CD36L1, CLA1

Function Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells (PubMed:12016218, PubMed:12519372, PubMed:21226579). Receptor for HDL, mediating selective uptake of cholesteryl ether and HDL-dependent cholesterol efflux (PubMed:26965621). Also facilitates the flux of free and esterified cholesterol between the cell surface and apoB-containing lipoproteins and modified lipoproteins, although less efficiently than HDL. May be involved in the phagocytosis of apoptotic cells, via its phosphatidylserine binding activity (PubMed:12016218).

Cellular Location
Cell membrane; Multi-pass membrane protein. Membrane, caveola {ECO:0000250|UniProtKB:Q61009}; Multi-pass membrane protein Note=Predominantly localized to cholesterol and sphingomyelin-enriched domains within the plasma membrane, called caveolae

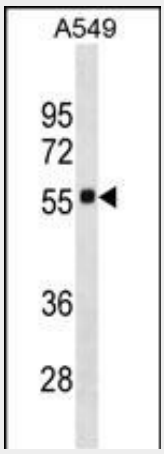
Tissue Location
Widely expressed.

SCARB1 Antibody(N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SCARB1 Antibody(N-term) - Images



SCARB1 Antibody (N-term) (Cat. #AP19624a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the SCARB1 antibody detected the SCARB1 protein (arrow).

SCARB1 Antibody(N-term) - Background

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).

SCARB1 Antibody(N-term) - References

Kolmakova, A., et al. Endocrinology 151(11):5519-5527(2010)
Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Teslovich, T.M., et al. Nature 466(7307):707-713(2010)
Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010)