10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SCARB1 Antibody(N-term) Blocking peptide

Synthetic peptide
Catalog # BP19624a

Specification

SCARB1 Antibody(N-term) Blocking peptide - Product Information

Primary Accession Q8WTV0

SCARB1 Antibody(N-term) Blocking peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SCARB1 Antibody(N-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- Blocking Peptides

SCARB1 Antibody(N-term) Blocking peptide - Images

SCARB1 Antibody(N-term) Blocking peptide - 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) Blocking peptide - 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)