Data Sheet (Cat.No.TMAC-03690)

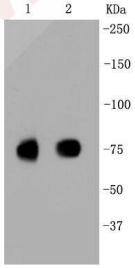
Anti-SR-BI/SCARB1 Antibody (1A957)

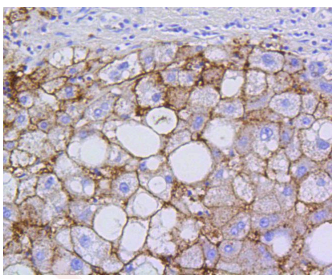
Product Details

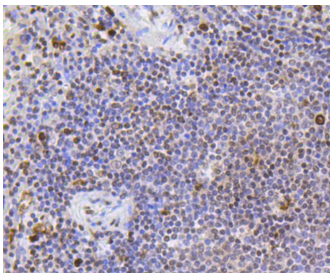
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 80 kDa.
Clone:	1A957
Purification:	ProA affinity purified

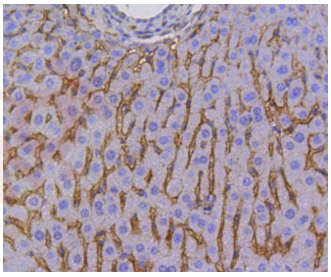
Applications

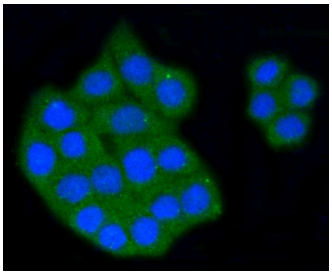
Verified Activity:	1. Western blot analysis of Scavenging Receptor SR-BI on different lysates using anti-Scavenging Receptor SR-BI antibody at 1/1,000 dilution. Positive control: Lane 1: Human liver, Lane 2: Mouse liver. 2. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Scavenging Receptor SR-BI antibody. Counter stained with hematoxylin. 3. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Scavenging Receptor SR-BI antibody. Counter stained with hematoxylin. 4. Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Scavenging Receptor SR-BI antibody. Counter stained with hematoxylin. 5. ICC staining Scavenging Receptor SR-BI in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS. 6. ICC staining Scavenging Receptor SR-BI in PC-12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

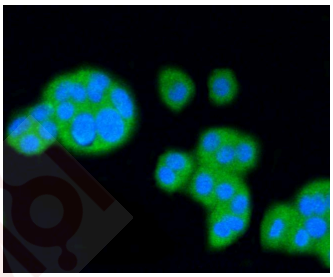












Application: FCM,ICC,IHC,WB

Recommended: WB: 1:1000-5000; IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q8WTV0

Synonyms: Hdlq1;AI120173;SR-B1;scavenger receptor class B, member 1;SR-BI;CD36;Hlb398;D5Ertd460e; Cla1;mSR-BI;Srb1;Cla-1;SRBI;Cd36l1

Research Background

The macrophage class A scavenger receptors (SR-A) type I and II mediate the uptake of modified low density lipoprotein (LDL), while the scavenger receptor class B type 1 (SR-B1) mediates the selective uptake of cholesterol and cholesterol esters (CE) from HDLs into cells. SREC, Ox-LDL-R1, SR-A and SR-B1 may all be involved in the early development of atherosclerosis. SR-B1, an integral membrane protein, acts as a receptor for various ligands,

including apoptotic cells, cholesterol ester, phospholipids, lipoproteins and phosphatidyl-serine. SR-B1, which may be involved in phagocytosis of apoptotic cells, enables the movement of cholesterol between the cell surface and extracellular donors and acceptors. Although it is widely expressed, SR-B1 localizes primarily to cholesterol and sphingomyelin-enriched domains within the plasma membrane, called caveolae.

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