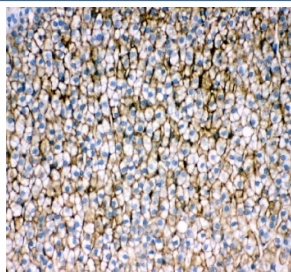


Srb1 Antibody / Scarb1 (R32260)

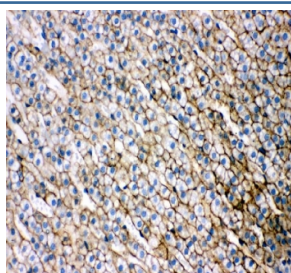
Catalog No.	Formulation	Size
R32260	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

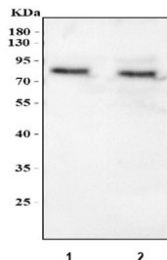
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q61009
Localization	Cell membrane
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This Srb1 antibody is available for research use only.



IHC staining of FFPE rat adrenal gland tissue with Srb1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat adrenal gland tissue with Srb1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat liver and 2) mouse liver tissue lysate with Srb1 antibody.
Predicted molecular weight: 57-82 kDa depending on level of glycosylation.

Description

Scavenger receptor class B member 1 (SRB1), also known as SR-BI, is a protein that in humans is encoded by the SCARB1 gene. SR-BI functions as a receptor for high-density lipoprotein. Scavenger receptor class B, type I (SR-BI) is an integral membrane protein found in numerous cell types/tissues, including the liver and adrenal. It is best known for its role in facilitating the uptake of cholesteryl esters from high-density lipoproteins in the liver. This process drives the movement of cholesterol from peripheral tissues towards the liver for excretion. This movement of cholesterol is known as reverse cholesterol transport and is a protective mechanism against the development of atherosclerosis, which is the principal cause of heart disease and stroke. SR-BI has also been identified in the livers of non-mammalian species (turtle, goldfish, shark, chicken, frog, and skate), suggesting it emerged early in vertebrate evolutionary history. The turtle also seems to upregulate SB-RI during egg development, indicating that cholesterol efflux may be at peak levels during developmental stages.

Application Notes

Optimal dilution of the Srb1 antibody should be determined by the researcher.

Immunogen

Amino acids KKGSQDKEAIQAYSESLMSPAAGTVLQEAKL of mouse Srb1 were used as the immunogen for the Srb1 antibody.

Storage

After reconstitution, the Srb1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.