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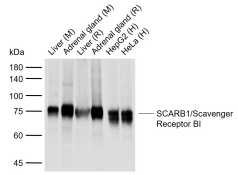
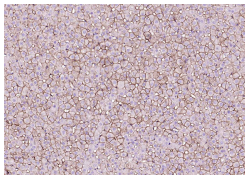
SCARB1/Scavenger Receptor BI Recombinant Rabbit mAb

Catalog Number:	bsm-52283R
Target Protein:	SCARB1/Scavenger Receptor BI
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Recombinant
Clone No.:	1C2
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:200-500), IF (1:100-500), ICC/IF (1:50-200)
Reactivity:	Human, Mouse, Rat
Predicted MW:	61 kDa
Subcellular Locations:	Cell membrane ,Cytoplasm
Entrez Gene:	949
Swiss Prot:	Q14108
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	High density lipoproteins (HDLs) play a critical role in cholesterol metabolism and their plasma concentrations are inversely correlated with risk for atherosclerosis. The SR-BI (Scavenger Receptor BI) protein binds HDLs and mediates selective uptake of HDL cholesteryl ester. SR-BI binds HDL with high affinity, is expressed primarily in liver and nonplacental steroidgenic tissues, and mediates selective cholesterol uptake by a distinct mechanism. In mice, it seems that SR-BI plays a key role in determining the levels of plasma lipoprotein cholesterol and the accumulation of cholesterol stores in the adrenal gland. Scavenging Receptor SR-BI plays a critical role in HCV attachment and/or cell entry by interacting with HCV E1/E2 glycoproteins heterodimer.

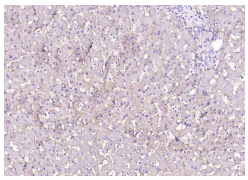
VALIDATION IMAGES



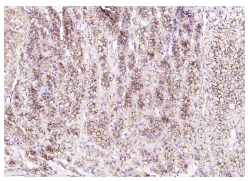
Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Mouse Adrenal gland tissue lysates Lane 3: Rat Liver tissue lysates Lane 4: Rat Adrenal gland tissue lysates Lane 5: Human HepG2 cell lysates Lane 6: Human HeLa cell lysates Primary: Anti-SCARB1/Scavenger Receptor BI (bsm-52283R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kDa Observed band size: 75 kDa



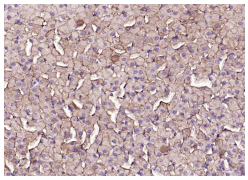
Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (SCARB1/Scavenger Receptor BI) Monoclonal Antibody, Unconjugated (bsm-52283R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



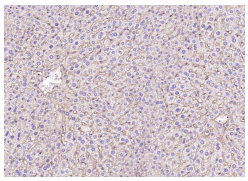
Paraformaldehyde-fixed, paraffin embedded (human liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (SCARB1/Scavenger Receptor BI) Monoclonal Antibody, Unconjugated (bsm-52283R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (SCARB1/Scavenger Receptor BI) Monoclonal Antibody, Unconjugated (bsm-52283R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (SCARB1/Scavenger Receptor BI) Monoclonal Antibody, Unconjugated (bsm-52283R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (SCARB1/Scavenger Receptor BI) Monoclonal Antibody, Unconjugated (bsm-52283R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.8] Min-Chien Tsai. et al. Cav3.1 T-type calcium channel blocker NNC 55-0396 reduces atherosclerosis by increasing cholesterol efflux. BIOCHEM PHARMACOL. 2024 Apr;222:116096 WB ; Human . 38423188

[IF=3.9] Zhou Qianhui. et al. SEC14L2 regulates the transport of cholesterol in non-small cell lung cancer through SCARB1. LIPIDS HEALTH DIS. 2024 Dec;23(1):1-13 IF ; Human . 39696431