

Rabbit anti-Mouse LIMPII/SR-B2 Monoclonal Antibody | anti-SCARB2 antibody

Recombinant Anti-LIMPII/SR-B2 Antibody, Rabbit Monoclonal

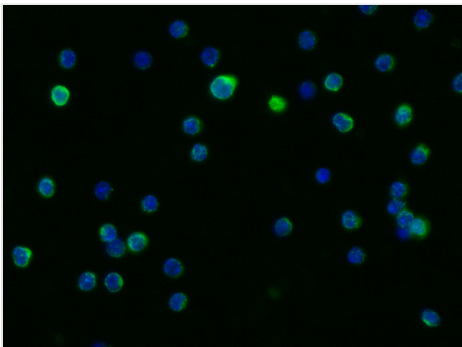
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257071	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

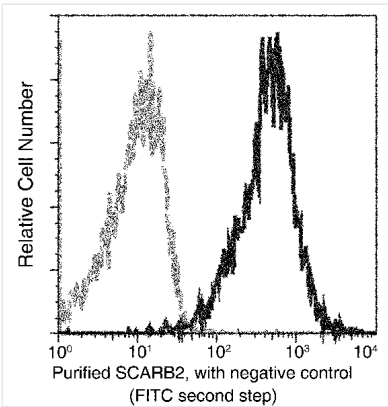
LIMPII/SR-B2; Monoclonal Antibody; Recombinant Anti-LIMPII/SR-B2 Antibody; Rabbit Monoclonal; LIMP-2/SCARB2/CD36L2 Antibody; Rabbit MAb; scavenger receptor class B; member 2; Anti-9330185J12Rik Antibody; Anti-Cd36l2 Antibody; Anti-LGP85 Antibody; Anti-LIMP-2 Antibody; Anti-MLGP85 Antibody; anti-SCARB2 antibody

PRODUCT SPECIFICATIONS

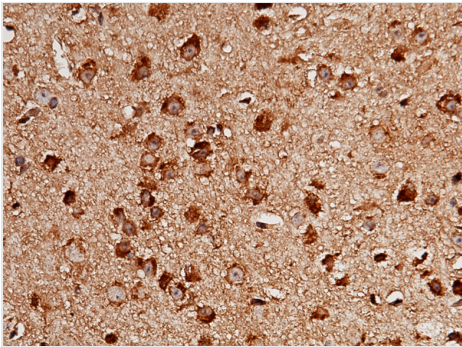
Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	052
Specificity	Mouse LIMP-2/SCARB2/CD36L2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SCARB2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse LIMP-2/SCARB2/CD36L2 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse LIMP-2/SCARB2/CD36L2 (rM LIMP-2/SCARB2/CD36L2).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



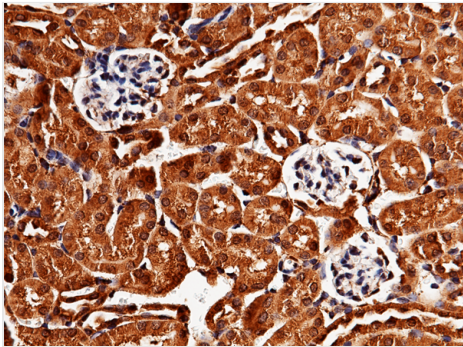
IF (Immunofluorescence)
Immunofluorescence staining of mouse SCARB2 in mouse splenocytes. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-mouse SCARB2 monoclonal antibody (1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Mouse SCARB2 expression on BABL/c splenocytes. The cells were treated according to manufacturer's manual (BD Pharmingen[®]), stained with purified anti-Mouse SCARB2, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IHC (Immunohistochemistry)
Immunochemical staining of mouse SCARB2 in mouse brain with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of mouse SCARB2 in mouse kidney with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-SCARB2 antibody	Lysosomal Integral Membrane Protein II (LIMP2), also known as SCARB2, LPG85, and CD36L2, is a type I II multi-pass membrane glycoprotein that is located primarily in limiting membranes of lysosomes and endosomes on all tissues and cell types so far examined. This protein may participate in membrane transportation and the reorganization of endosomal/lysosomal compartment. LIMP2 is identified as a receptor for EV71 (human enterovirus species A, Enterovirus 71) and CVA16 (coxsackievirus A16) which are most frequently associated with hand, foot and mouth disease (HFMD). Expression of human LIMP2 enables normally unsusceptible cell lines to support the viruses' propagation and develop cytopathic effects. In addition, LIMP2 also has been shown to bind thrombospondin-1, and may contribute to the pro-adhesive changes of activated platelets during coagulation, and inflammation. Deficiency of the protein in mice impairs cell membrane transport processes and causes pelvic junction obstruction, deafness, and peripheral neuropathy.
References	Crombie, R. et al., 1998, J. Biol. Chem. 273: 4855-4863. Febbraio, M. et al., 2001, J. Clin. Invest. 108: 785-791. Kuronita, T. et al., 2002, J. Cell Sci. 115: 4117-4131. Gamp, A.C. et al., 2003, Human Molecular Genetics. 12: 631-646. Eskelinen, E.L. et al., 2003, Trends in Cell Biology. 13: 137-145. Mulcahy, J.V. et al., 2004, Biochem. J. 377 (Pt 3): 741-747. Yamayoshi, S. et al., 2009, Nat Med. 15 (7): 798-801.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680878
NCBI GeneID	12492
NCBI Accession #	NP_031670.1

NCBI GenBank Nucleotide #	NM_007644.3
UniProt Accession #	O35114; Q3UNF8
Molecular Weight	54,044 Da
NCBI Official Full Name	lysosome membrane protein 2
NCBI Official Synonym Full Names	scavenger receptor class B, member 2
NCBI Official Symbol	Scarb2
NCBI Official Synonym Symbols	LGP85; Cd36l2; LIMP-2; MLGP85; 9330185J12Rik
NCBI Protein Information	lysosome membrane protein 2; LIMP II; lysosome membrane protein II; 85 kDa lysosomal membrane sialoglycoprotein; CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 2
UniProt Protein Name	Lysosome membrane protein 2
UniProt Gene Name	Scarb2
UniProt Synonym Gene Names	LGP85; LIMP II
UniProt Entry Name	SCRB2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/limp-ii-sr-b2-antibody-clone-052-immunofluorescence-immunocytochemistry-flow-cytometry-immunohistochemistry-elisa/257071>