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Goat Anti-LIMP2 / SCARB2 Antibody

Peptide-affinity purified goat antibody
Catalog # AF1625a

Specification

Goat Anti-LIMP2 / SCARB2 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q14108
Other Accession	NP_005497, 950, 12492 (mouse)
Reactivity	**Human**
Predicted	**Mouse**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**54290**

Goat Anti-LIMP2 / SCARB2 Antibody - Additional Information

Gene ID 950

Other Names
Lysosome membrane protein 2, 85 kDa lysosomal membrane sialoglycoprotein, LGP85, CD36 antigen-like 2, Lysosome membrane protein II, LIMP II, Scavenger receptor class B member 2, CD36, SCARB2, CD36L2, LIMP2, LIMPII

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-LIMP2 / SCARB2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-LIMP2 / SCARB2 Antibody - Protein Information

Name SCARB2

Synonyms CD36L2, LIMP2, LIMPII

Function
Acts as a lysosomal receptor for glucosylceramidase (GBA1) targeting.

Cellular Location
Lysosome membrane; Multi-pass membrane protein

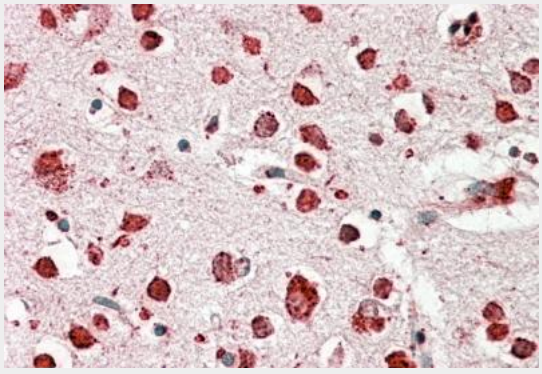
Goat Anti-LIMP2 / SCARB2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-LIMP2 / SCARB2 Antibody - Images

AF1625a (0.1 µg/ml) staining of Human Cerebral Cortex lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1625a (3.8 µg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-LIMP2 / SCARB2 Antibody - Background

The protein encoded by this gene is a type III glycoprotein that is located primarily in limiting membranes of lysosomes and endosomes. Studies of the similar protein in mice and rat suggested that this protein may participate in membrane transportation and the reorganization of endosomal/lysosomal compartment. Deficiency of the similar protein in mice was reported to impair

cell membrane transport processes and cause pelvic junction obstruction, deafness, and peripheral neuropathy.

Goat Anti-LIMP2 / SCARB2 Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.
Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol? Rua□o G, et al. Pharmacogenomics, 2010 Jul. PMID 20602615.
New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.
Distribution of smooth muscle cells and macrophages expressing scavenger receptor BI/II in atherosclerosis. Ishikawa Y, et al. J Atheroscler Thromb, 2009. PMID 20032583.
Disease-causing mutations within the lysosomal integral membrane protein type 2 (LIMP-2) reveal the nature of binding to its ligand beta-glucocerebrosidase. Blanz J, et al. Hum Mol Genet, 2010 Feb 15. PMID 19933215.