

Anti-LIMP2 SCARB2 Antibody

Catalog Number: A05090

About SCARB2

The lysosomal integral membrane protein 2 (LIMP2) is a heavily glycosylated type III transmembrane protein, the majority of which exists in the lumen of the lysosome and a cytoplasmic domain of approximately 20 amino acids. A deficiency of LIMP2 in mice causes uretic pelvic junction obstruction, deafness, and peripheral neuropathy associated with impaired vesicular trafficking and distribution of apically expressed proteins. More recently, LIMP2 was shown to act as a receptor to bind beta-glucocerebrosidase, the enzyme defective in Gaucher disease, a lysosomal storage disorder. LIMP2-deficient mice showed missorted as well as secreted beta-glucocerebrosidase, suggesting that LIMP2 also functions as the mannose-6-phosphate-independent trafficking receptor.

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Overview

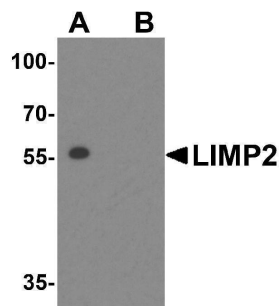
Product Name	Anti-LIMP2 SCARB2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-LIMP2 SCARB2 Antibody (Catalog # A05090). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	LIMP2 Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q14108

Technical Details

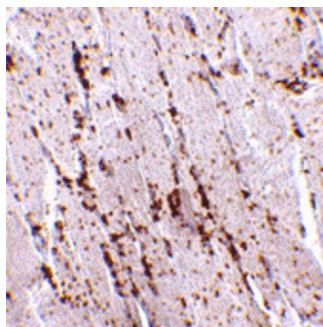
Immunogen	LIMP2 antibody was raised against a 16 amino acid synthetic peptide from near the center of human LIMP2. The immunogen is located within amino acids 70 - 120 of LIMP2.
Predicted Reactive Species	Mouse

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	LIMP2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	LIMP2 antibody can be used for detection of LIMP2 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

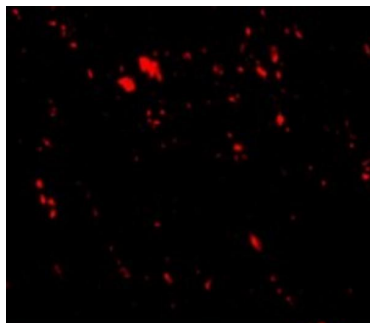
Anti-LIMP2 SCARB2 Antibody (A05090) Images



Western blot analysis of LIMP2 in mouse liver tissue lysate with LIMP2 antibody at 1 ug/mL in (A) the absence and (B) presence of blocking peptide.



Immunohistochemistry of LIMP2 in human skeletal muscle tissue with LIMP2 antibody at 2.5 ug/mL.



Immunofluorescence of LIMP2 in Human Skeletal Muscle tissue with LIMP2 antibody at 20 ug/mL.

Anti-LIMP2 SCARB2 Antibody

For Research Use Only. Not for use in diagnostic procedures.