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Product datasheet for TA306597

LIMPII (SCARB2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 10 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	LIMP2 antibody was raised against a 18 amino acid peptide from near the carboxy terminus of human LIMP2.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	scavenger receptor class B member 2
Database Link:	AAH21892 Entrez Gene 950 Human Q14108

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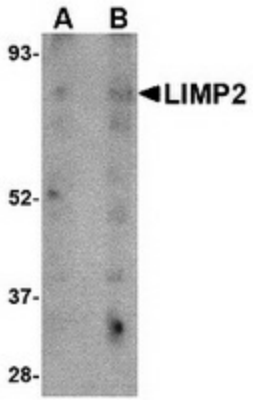
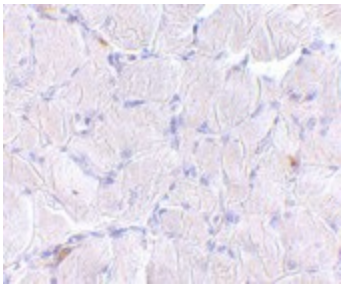
Background: The lysosomal integral membrane protein 2 (LIMP2) is a heavily glycosylated type III transmembrane protein, the majority of which exists in the lumen of the lysosome and a cytoplasmic domain of approximately 20 amino acids. A deficiency of LIMP2 in mice causes uretic pelvic junction obstruction, 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 b-glucocerebrosidase, the enzyme defective in Gaucher disease, a lysosomal storage disorder. LIMP2-deficient mice showed missorted as well as secreted b-glucocerebrosidase, suggesting that LIMP2 also functions as the mannose-6-phosphate-independent trafficking receptor. Despite its predicted molecular weight, LIMP2 runs at approximately 80 – 85 kDa in SDS-PAGE.

Synonyms: AMRF; CD36L2; EPM4; HLGP85; LGP85; LIMP-2; LIMPII; SR-BII

Product images:



Western blot analysis of LIMP2 in human skeletal muscle tissue lysate with LIMP2 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of LIMP2 in human skeletal muscle tissue with LIMP2 antibody at 10 ug/ml.