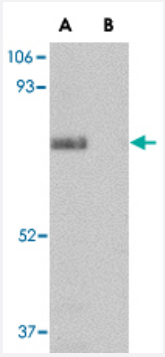
SCARB2 polyclonal antibody

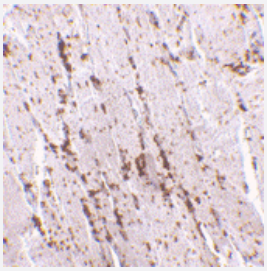
Catalog # PAB13376 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of SCARB2 in human skeletal muscle tissue lysate with SCARB2 polyclonal antibody (Cat # PAB13376) at 1 ug/mL in (A) the absence and (B) presence of blocking peptide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of SCARB2 in human skeletal muscle with SCARB2 polyclonal antibody (Cat # PAB13376) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SCARB2.
Immunogen	A synthetic peptide corresponding to internal region 16 amino acids of human SCARB2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis of SCARB2 in human skeletal muscle tissue lysate with SCARB2 polyclonal antibody (Cat # PAB13376) at 1 ug/mL in (A) the absence and (B) presence of blocking peptide.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry of SCARB2 in human skeletal muscle with SCARB2 polyclonal antibody (Cat # PAB13376) at 2.5 ug/mL .

Gene Info — SCARB2

Entrez GeneID	950
Protein Accession#	AAH21892
Gene Name	SCARB2
Gene Alias	AMRF, CD36L2, HLGP85, LIMPII, SR-BII
Gene Description	scavenger receptor class B, member 2
Omim ID	602257
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a type III glycoprotein that is located primarily in limiting mem branes of lysosomes and endosomes. Studies of the similar protein in mice and rat suggested th at this protein may participate in membrane transportation and the reorganization of endosomal/ly sosomal compartment. Deficiency of the similar protein in mice was reported to impair cell memb rane transport processes and cause pelvic junction obstruction, deafness, and peripheral neuropa thy. [provided by RefSeq
Other Designations	85 kDa lysosomal sialoglycoprotein scavenger receptor class B, member 2|CD36 antigen (collag en type I receptor, thrombospondin receptor)-like 2 (lysosomal integral membrane protein II)|lysos omal integral membrane protein II

Publication Reference

- Deafness in LIMP2-deficient mice due to early loss of the potassium channel KCNQ1/KCNE1 in marginal cells of the stria vascularis.

  Knipper M, Claussen C, Rüttiger L, Zimmermann U, Lüllmann-Rauch R, Eskelinen EL, Schröder J, Schwake M, Saftig P.

  The Journal of Physiology 2006 Oct; 576(Pt 1):73.

  Application: IF, IHC-Fr, Mouse, Mouse spiral ganglion neurons, Stria vascularis

- LIMP-2/LGP85 deficiency causes ureteric pelvic junction obstruction, deafness and peripheral neuropathy in mice.

  Gamp AC, Tanaka Y, Lüllmann-Rauch R, Wittke D, D'Hooge R, De Deyn PP, Moser T, Maier H, Hartmann D, Reiss K, Illert AL, von Figura K, Saftig P.

  Human Molecular Genetics 2003 Mar; 12(6):631.

  Application: WB-Ti, Mouse, Brain, Heart, Kidney, Liver, Lung, Spleen, Thymus

- Isolation and sequencing of a cDNA clone encoding 85kDa sialoglycoprotein in rat liver lysosomal membranes.

  Fujita H, Ezaki J, Noguchi Y, Kono A, Himeno M, Kato K.

  Biochemical and Biophysical Research Communications 1991 Jul; 178(2):444.

  Application: SDS-PAGE, Recombinant protein

Pathway

- Lysosome

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Hypercholesterolemia