

**Product Name: KD-Validated SCARB2 Recombinant Rabbit Monoclonal Antibody**  
**Catalog #: KVA00913**

For research use only.

## Summary

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Rabbit                                                                      |
| <b>Application</b>  | WB,FCM                                                                      |
| <b>Reactivity</b>   | Human,Mouse,Rat                                                             |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Rabbit IgG                                                                  |
| <b>Clonality</b>    | Rabbit mAb                                                                  |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

## Application

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:1,000-1:5,000; FC 1:200-1:2,000 |
| <b>Molecular Weight</b> | Calculated MW: 54.3kDa               |

## Antigen Information

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | SCARB2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Alternative Names</b> | Scavenger Receptor Class B Member 2; LIMPII; Lysosome Membrane Protein 2; HLG85; SR-BII; LIMP-2; CD36L2; CD36 Antigen (Collagen Type I Receptor, Thrombospondin Receptor)-Like 2 (Lysosomal Integral Membrane Protein II); 85 KDa Lysosomal Membrane Sialoglycoprotein; Lysosome Membrane Protein II; CD36 Antigen-Like 2; LIMP II; LGP85; 85 KDa Lysosomal Sialoglycoprotein Scavenger Receptor Class B, Member 2;Lysosomal Integral Membrane Protein II; CD36 Antigen; LIMP2; AMRF; EPM4 |
| <b>Gene ID</b>           | 950.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>SwissProt ID</b>      | Q14108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>         | A synthesized peptide derived from human LIMPII                                                                                                                                                                                                                                                                                                                                                                                                                                            |

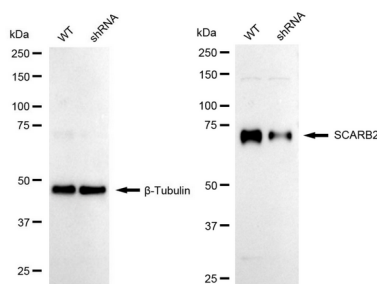
## Background

The protein encoded by this gene is a type III glycoprotein that is located primarily in limiting membranes of lysosomes and endosomes. Earlier studies in mice and rat suggested that this protein may participate in membrane transportation and the reorganization of endosomal/lysosomal compartment. The protein deficiency in mice was reported to impair cell membrane transport processes and cause pelvic junction obstruction, deafness, and peripheral neuropathy. Further studies in human showed that this protein is a ubiquitously expressed protein and that it is involved in the pathogenesis of HFMD (hand, foot, and mouth disease) caused by enterovirus-71 and possibly by coxsackievirus A16. Mutations in this gene caused an autosomal recessive progressive myoclonic epilepsy-4 (EPM4), also known as action myoclonus-renal failure syndrome (AMRF). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Feb 2011]

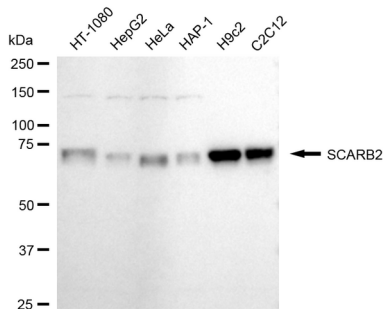
## Research Area

Cardiovascular,Signal Transduction,Metabolism,Neuroscience

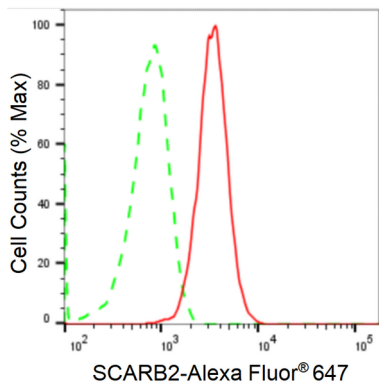
## Image Data



Western blotting analysis using SCARB2 antibody (KVA00913). SCARB2 expression in wild type (WT) and SCARB2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with SCARB2 antibody (KVA00913, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SCARB2 antibody (KVA00913). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SCARB2 antibody (KVA00913, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of SCARB2 expression in C2C12 cells using SCARB2 antibody (KVA00913, 1:2,000). Green, isotype control; red, SCARB2.