

## Product datasheet for **TA336640**

### LIMPII (SCARB2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, ICC/IF, IHC, WB
Recommended Dilution:	Flow Cytometry, Immunocytochemistry/ Immunofluorescence: 1:25-1:100, Western Blot: 1:1000, Immunohistochemistry-Paraffin: 1:25, Immunohistochemistry: 1:25
Reactivity:	Human, Mouse, Rat, Bovine, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A peptide containing residues from mouse SR-BII (between residues 400-478) plus an N-terminal cysteine was coupled to KLH. [UniProt# O35114]
Formulation:	Tris-citrate/phosphate, pH 7, 0.1% Sodium azide. Store at 4C. Do not freeze.
Concentration:	lot specific
Purification:	Whole antisera
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	82 kDa
Gene Name:	scavenger receptor class B member 2
Database Link:	<a href="#">NP_005497</a> <a href="#">Entrez Gene 12492 Mouse</a> <a href="#">Entrez Gene 117106 Rat</a> <a href="#">Entrez Gene 950 Human</a> <a href="#">Q14108</a>



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**Background:**

Scavenger receptor class BI or SCARB1 gene belongs to CD36 receptor family and encodes for at least two mRNA splice variants which are SR-BI and SR-BII, among which SR-BII variant is the main isoform in terms of mRNA levels in certain tissues. For example, SR-BII mRNA is 48-fold higher than SR-BI in brain cells and protein levels reaching 10-15% of SR-BI in the liver. Similar differential SR-BII protein expression levels have also been detected in considerable amounts in other tissues, such as testes, retinal pigment epithelial cells, and spleen. SR-BII isoform differs from SR-BI only in its entirely different, yet highly conserved, cytoplasmic C-terminus which has been proposed to contain a signal responsible for marked alterations in cellular distribution as well as cellular trafficking of SR-BII compared with SR-BI. In contrast to SR-BI, SR-BII mediates the rapid uptake of significant amounts of HDL into endosomal recycling compartment by a pathway which is different from selective lipid uptake at the cell surface (mediated by SR-BI). Because SR-BII influence cellular cholesterol trafficking/homeostasis in a manner distinct from SR-BI, the relative expression as well as functional activities of these two isoforms create a potential means of regulating selective lipid transfer between HDL and cells.

**Synonyms:**

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

**Note:**

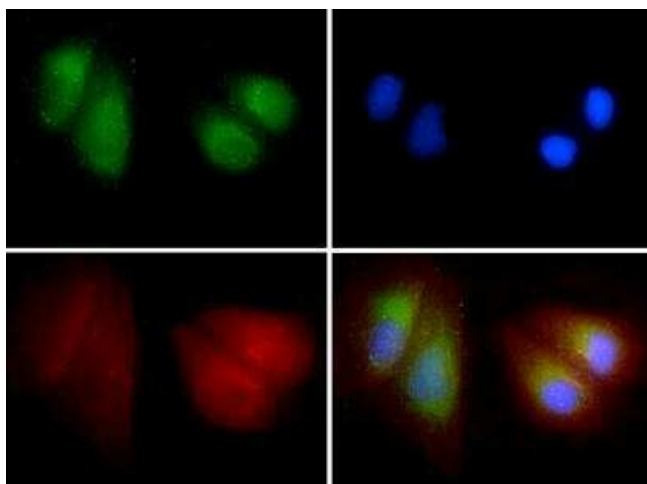
This SR-BII antibody is useful for Immunohistochemistry paraffin embedded sections, Immunocytochemistry/Immunofluorescence and Western blot. In Western blot a band is observed at ~82 kDa in tissues that express SR-BII such as liver, testes, and adrenal glands. Flow Cytometry was reported in scientific literature.

**Protein Families:**

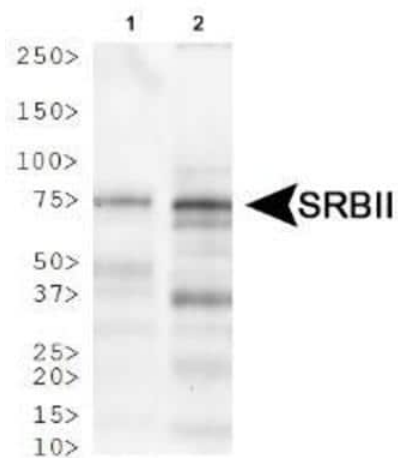
Druggable Genome, Transmembrane

**Protein Pathways:**

Lysosome

**Product images:**


Immunocytochemistry/Immunofluorescence: SR-BII Antibody TA336640 - SR-BII antibody was tested in U2OS cells with FITC (green). Nuclei and alpha-tubulin were counterstained with Dapi (blue) and Dylight 550 (red).



Western Blot: SR-BII Antibody TA336640 -  
Western blot analysis of SR-BII in 1. Human heart  
lysate 2. Mouse heart lysate