

For Research Use Only

# SCARF1 Polyclonal antibody

Catalog Number: 13702-1-AP

Featured Product

4 Publications



## Basic Information

**Catalog Number:**

13702-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4621

**GenBank Accession Number:**

BC039735

**GeneID (NCBI):**

8578

**UNIPROT ID:**

Q14162

**Full Name:**

scavenger receptor class F, member 1

**Calculated MW:**

830 aa, 87 kDa

**Observed MW:**

87 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB, IF, FC

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB : mouse lung tissue, unboiled mouse lung tissue

## Background Information

Scavenger receptor class F member 1 (SCARF1), also known as scavenger receptor expressed by endothelial cells (SREC)-1, belongs to the scavenger receptor (SR) superfamily. SCARF1 has been shown to bind modified low density lipoproteins (LDLs), including acetylated (Ac-) and oxidized (ox-) LDLs (PMID: 29725698; PMID: 15145948). In addition to binding and internalizing a diverse range of endogenous proteins, SCARF1 also binds a wide array of viral, fungal, and bacterial antigens (PMID: 29242513). SCARF1 has a calculated molecular weight of 87 kDa, with a molecular weight of 140-160 kDa due to N-glycosylation (PMID: 22279061; PMID: 15145948). SCARF1 can also exist as a dimer (~ 180 kDa) and a truncated soluble form (~ 60 kDa) (PMID: 29242513; PMID: 29725698).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xue-Song Xu	33686740	Cell Prolif	WB
Alissa Trzeciak	35983035	Front Immunol	FC
Ramirez-Ortiz Zaida G ZG	23892722	Nat Immunol	IF

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

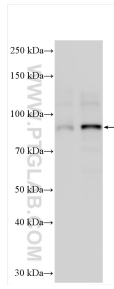
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



mouse lung tissue and unboiled mouse lung tissue were subjected to SDS PAGE followed by western blot with 13702-1-AP (SCARF1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.