

For Research Use Only

# SCARF1 Polyclonal antibody

Catalog Number: 13702-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 13702-1-AP	<b>GenBank Accession Number:</b> BC039735	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8578	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> scavenger receptor class F, member 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 830 aa, 87 kDa	
<b>Immunogen Catalog Number:</b> AG4621	<b>Observed MW:</b> 87 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

FC, IF, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: mouse lung tissue,

IHC: human lung tissue,

## Background Information

Scavenger receptor class F member 1 (SCARF1), also known as scavenger receptor expressed by endothelial cells (SREC)-I, 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

\*\*\* 20ul sizes contain 0.1% BSA

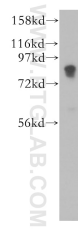
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

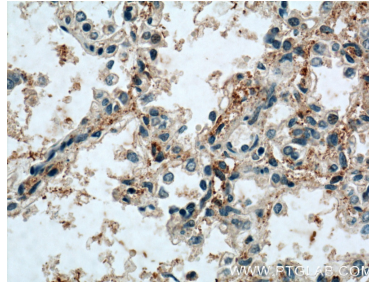
E: proteintech@ptglab.com  
W: ptglab.com

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 were subjected to SDS PAGE followed by western blot with 13702-1-AP (SCARF1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 13702-1-AP (SCARF1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).