

For Research Use Only

# SCARF1 Polyclonal antibody

Catalog Number: 28174-1-AP



## Basic Information

<b>Catalog Number:</b> 28174-1-AP	<b>GenBank Accession Number:</b> BC039735	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8578	<b>Recommended Dilutions:</b> WB: 1:500-1:2000 IF/ICC: 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14162	
<b>Isotype:</b> IgG	<b>Full Name:</b> scavenger receptor class F, member 1	
<b>Immunogen Catalog Number:</b> AG28079	<b>Calculated MW:</b> 830 aa, 87 kDa	
	<b>Observed MW:</b> 90 kDa, 180 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, SMMC-7721 cells
<b>Species Specificity:</b> human	<b>IF/ICC :</b> HepG2 cells,

## 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).

## Storage

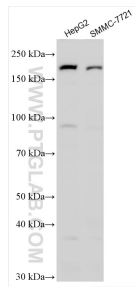
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

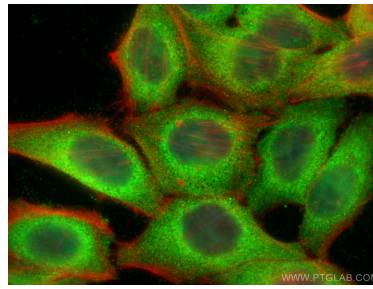
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28174-1-AP (SCARF1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SCARF1 antibody (28174-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).