

For Research Use Only

# ICAM-1/CD54 Polyclonal antibody

Catalog Number:30324-1-AP



## Basic Information

<b>Catalog Number:</b> 30324-1-AP	<b>GenBank Accession Number:</b> NM_010493	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 15894	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P13597	
<b>Isotype:</b> IgG	<b>Full Name:</b> intercellular adhesion molecule 1	
	<b>Calculated MW:</b> 59 kDa	
	<b>Observed MW:</b> 95-110 kDa	

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Species Specificity:

mouse, rat

**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 heart tissue, rat liver tissue, mouse liver tissue, mouse spleen tissue

IHC : mouse liver tissue, mouse lung tissue

IF-P : mouse liver tissue,

## Background Information

ICAM-1 (Intercellular Adhesion Molecule-1, CD54) is a glycosylated, transmembrane protein, a member of Ig super family. This protein involves in cell adhesion by interacting with a number of 2 integrin family members such as LFA-1 and Mac-1. Its expression is regulated by chemokines. This antibody is raised against mouse Icam-1.

## 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

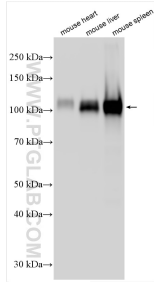
For technical support and original validation data for this product please contact:

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

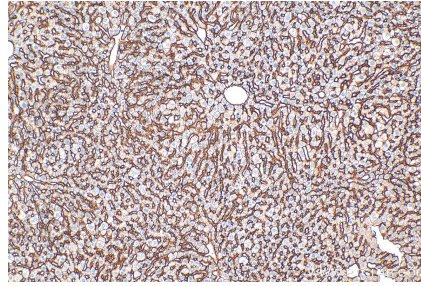
E: proteintech@ptglab.com  
W: ptglab.com

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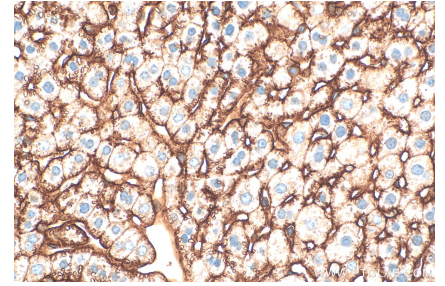
## Selected Validation Data



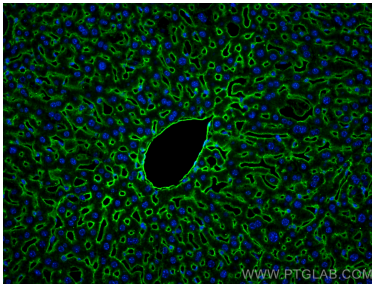
Various lysates were subjected to SDS PAGE followed by western blot with 30324-1-AP (ICAM-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 30324-1-AP (Icam-1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 30324-1-AP (Icam-1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using Icam-1 antibody (30324-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).