

For Research Use Only

# ICAM-1/CD54 Polyclonal antibody

Catalog Number: 10020-1-AP

Featured Product

83 Publications



## Basic Information

### Catalog Number:

10020-1-AP

### Concentration:

4500 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_010493

### GeneID (NCBI):

15894

### UNIPROT ID:

P13597

### Full Name:

intercellular adhesion molecule 1

### Calculated MW:

59 kDa

### Observed MW:

95-100 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:3200-1:12800

IF-P 1:500-1:2000

IF-Fro 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF-P, IF-Fro, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

mouse, rat

### Cited Species:

mouse, rat, bovine, hamster

**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 brain tissue, mouse spleen tissue, mouse liver tissue

**IHC** : mouse lung tissue, mouse liver tissue

**IF-P** : mouse liver tissue,

**IF-Fro** : 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 which is a cell surface sialoglycoprotein with an apparent molecular weight of 95-100 kDa (PMID: 10064885; 2571505).

## Notable Publications

Author	Pubmed ID	Journal	Application
Philipp-Sebastian Koch	34658910	Front Physiol	WB
Ye Tian	36212957	Evid Based Complement Alternat Med	IF
Linda Lorenz	30258227	Nature	IF

## 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

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

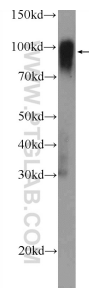
T: 4006900926

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

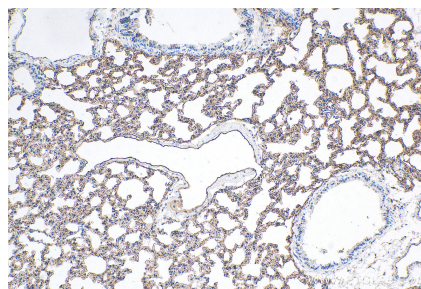
W: [ptgcn.com](http://ptgcn.com)

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

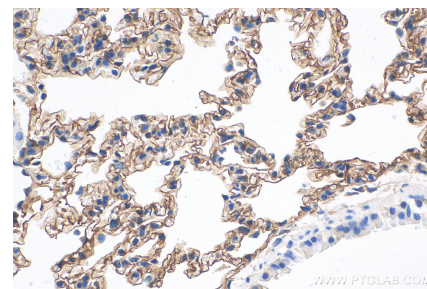
## Selected Validation Data



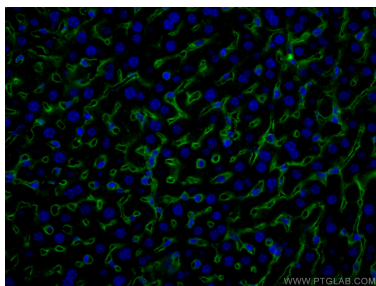
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10020-1-AP (Icam-1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



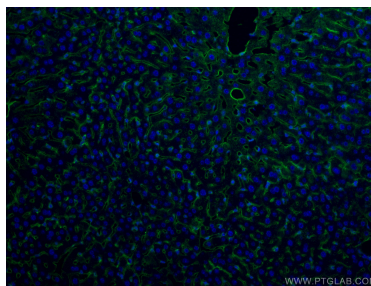
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10020-1-AP (Icam-1 antibody) at dilution of 1:6400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



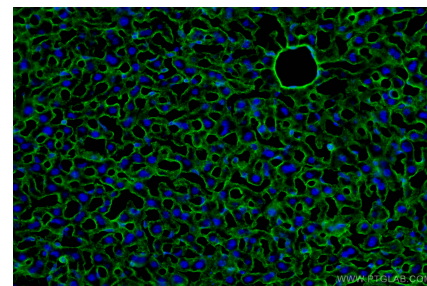
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10020-1-AP (Icam-1 antibody) at dilution of 1:6400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Icam-1 antibody (10020-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Icam-1 antibody (10020-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse liver tissue using 10020-1-AP (Icam-1 antibody) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).