

For Research Use Only

# ICAM5 Recombinant antibody

Catalog Number: 85941-1-RR



## Basic Information

### Catalog Number:

85941-1-RR

### Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

EG2868

### GenBank Accession Number:

N/A

### GeneID (NCBI):

15898

### UNIPROT ID:

Q60625.1

### Full Name:

intercellular adhesion molecule 5, telencephalin

### Calculated MW:

97 kDa

### Observed MW:

150 kDa

### Purification Method:

Protein A purification

### CloneNo.:

243100H5

### Recommended Dilutions:

WB: 1:5000-1:50000

IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

### Tested Applications:

WB, IP, ELISA

### Species Specificity:

mouse, rat

### Positive Controls:

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

## Background Information

ICAM-5, also known as telencephalin, is a type I integral membrane glycoprotein of the immunoglobulin superfamily. It is specifically expressed in the postnatal excitatory neuronal cell bodies, dendritic shafts, and dendritic filopodia of the telencephalon. ICAM-5 functions in both the immune and nervous systems. ICAM-5 strongly stimulates neurite outgrowth. It is cleaved by matrix metalloproteases upon activation of glutamate receptors or degraded through endocytosis resulting in increased spine maturation. The cleaved soluble fragment of ICAM-5 is immunosuppressive, which may be important in neuronal inflammatory diseases. (PMID: 10402269; 17682049; 25300135)

## 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

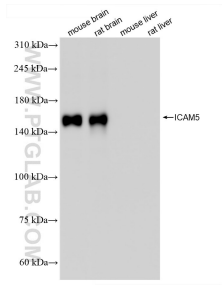
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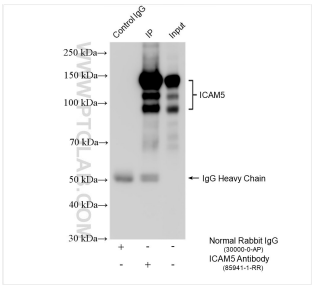
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85941-1-RR (Icam5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-ICAM5 (IP:85941-1-RR, 4ug; Detection:85941-1-RR 1:4000) with mouse brain tissue lysate 2120 ug.