

ICAM5 Polyclonal antibody

Catalog Number: 12759-1-AP

1 Publications

Basic Information

Catalog Number:

12759-1-AP

Size:

260 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3303

GenBank Accession Number:

BC026338

GeneID (NCBI):

7087

UNIPROT ID:

Q9UMF0

Full Name:

intercellular adhesion molecule 5,
telencephalin

Calculated MW:

924 aa, 97 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : 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)

Notable Publications

Author	Pubmed ID	Journal	Application
Yanxiao Zhang	26595524	Oncotarget	WB

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

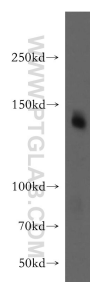
For technical support and original validation data for this product please contact:

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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 12759-1-AP (ICAM5 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.