

For Research Use Only

ICAM5 Recombinant antibody

Catalog Number: 85941-1-RR



Basic Information

Catalog Number:	85941-1-RR	GenBank Accession Number:	N/A	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenelD (NCBI):	15898	CloneNo.:	243100H5
Source:	Rabbit	UNIPROT ID:	Q60625.1	Recommended Dilutions:	WB: 1:5000-1:50000 IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype:	IgG	Full Name:	intercellular adhesion molecule 5, telencephalin		
Immunogen Catalog Number:	EG2868	Calculated MW:	97 kDa		
		Observed MW:	150 kDa		

Applications

Tested Applications:	Positive Controls:
WB, IP, ELISA	WB: mouse brain tissue, rat brain tissue
Species Specificity:	IP: mouse brain tissue,
mouse, rat	

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

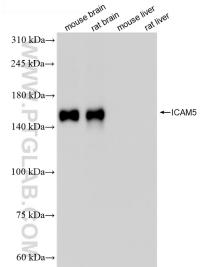
Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

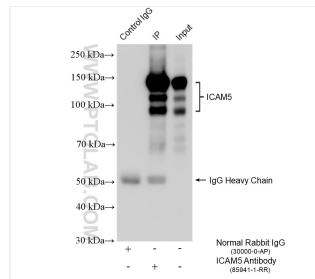
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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 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.