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Anti-ICAM-5 Antibody

Catalog # AP51782

Product Information

Application	WB
Primary Accession	Q9UMF0
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97116

Additional Information

Gene ID	7087
Other Names	TLCN; TLN; Intercellular adhesion molecule 5; ICAM-5; Telencephalin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ICAM-5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

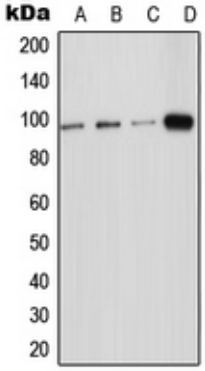
Name	ICAM5 (HGNC:5348)
Function	Cell adhesion molecule that functions as a receptor ligand of the signaling receptor ITGAL:ITGB2/LFA-1 (lymphocyte-function associated (LFA) molecule 1) ensuring neuron cell-leukocyte adhesion (PubMed:8995416). Creates homophilic cell adhesion promoting dendritogenesis and arborization of hippocampal neurons (PubMed:10893271).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q60625}; Single-pass membrane protein. Cell projection. Cell projection, uropodium. Cell projection, dendritic spine membrane {ECO:0000250|UniProtKB:Q60625}. Note=At uropodium and cell- cell contact sites creates homophilic adhesion
Tissue Location	Expressed on neurons in the most rostral segment of the mammalian brain, the telencephalon. Brain specific expression (PubMed:9828136). Within the brain, only expressed in regions derived from the telencephalon (PubMed:9828136). Highly expressed in the hippocampus and cerebral cortex, followed by the amygdala, caudate nucleus, occipital pole, frontal lobe,

temporal lobe, and putamen (PubMed:9828136). Lower expressed in the corpus callosum, subthalamic nucleus, and thalamus (PubMed:9828136).

References

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Kilgannon P.,et al.Genomics 54:328-330(1998).
Grimwood J.,et al.Nature 428:529-535(2004).
Brill L.M.,et al.Anal. Chem. 76:2763-2772(2004).
Zhang H.,et al.Mol. Cell 31:432-437(2008).

Images



Western blot analysis of ICAM-5 expression in HeLa (A), HEK293T (B), Raw264.7 (C), PC12 (D) whole cell lysates. (Predicted band size: 97 kD; Observed band size: 115; 140 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.