



Catalog Number: RA25084

Host: Rabbit

Product Type: Whole serum

Species Reactivity: Human, Rat

Immunogen Sequence: A synthetic peptide corresponding to the C-terminal region of rat SynCAM/CADM1.

Format: Whole serum with 0.02% sodium Azide

Applications: Immunocytochemistry/Immunofluorescence-1:2000
Western Blot: 1:1000

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

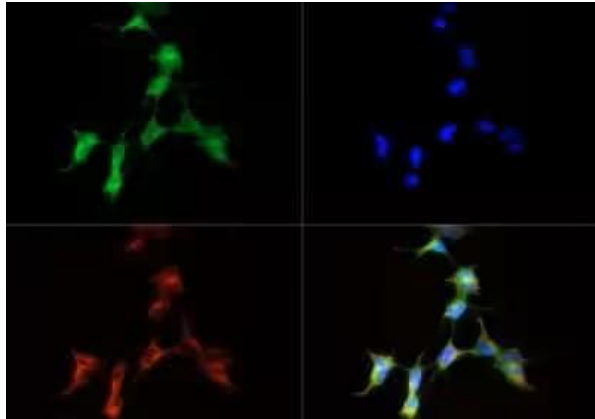
Storage: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Application Notes

CADM1/SynCAM is a brain-specific, immunoglobulin domain. It functions as a homophilic cell adhesion molecule at the synapse. Full-length synCAM has been shown to induce synaptic assembly. It has also been shown that synCAM, in conjunction with glutamate receptors, can sufficiently create a functional postsynaptic response.

The protein is also involved in neuronal migration, axon growth, pathfinding, and fasciculation on the axons of differentiating neurons. In addition, SynCAM plays diverse roles in spermatogenesis including in the adhesion of spermatocytes and spermatids to Sertoli cells and for their normal differentiation into mature spermatozoa.

Image: SynCAM/CADM1 antibody in SH-SY-5Y cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



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www.neuromics.com

Neuromics Antibodies □ 5325 West 74th Street, Suite 8 □ Edina, MN 55439
phone 866-350-1500 □ fax 612-677-3976 □ e-mail pshuster@neuromics.com