

## ARG59673 anti-CAMD1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CAMD1
Tested Reactivity	Hu, Rat
Predict Reactivity	Bov, Hrs, Mk, Rb
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CAMD1
Species	Human
Immunogen	Recombinant protein corresponding to Q45-P340 of Human CAMD1.
Conjugation	Un-conjugated
Alternate Names	NECL2; IGSF4; Necl-2; RA175; Spermatogenic immunoglobulin superfamily; synCAM1; IGSF4A; sgIGSF; Immunoglobulin superfamily member 4; IgSF4; NECL-2; sTSLC-1; Tumor suppressor in lung cancer 1; BL2; TSLC1; SynCAM; SYNCAM; SgIgSF; ST17; Nectin-like protein 2; Cell adhesion molecule 1; TSLC-1; Synaptic cell adhesion molecule

### Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	CADM1
Gene Full Name	cell adhesion molecule 1
Function	Mediates homophilic cell-cell adhesion in a Ca(2+)-independent manner. Also mediates heterophilic cell-cell adhesion with CADM3 and PVRL3 in a Ca(2+)-independent manner. Acts as a tumor suppressor in non-small-cell lung cancer (NSCLC) cells. Interaction with CRTAM promotes natural killer (NK) cell cytotoxicity and interferon-gamma (IFN-gamma) secretion by CD8+ cells in vitro as well as NK cell-mediated rejection of tumors expressing CADM3 in vivo. May contribute to the less invasive phenotypes of lepidic growth tumor cells. In mast cells, may mediate attachment to and promote communication with nerves. CADM1, together with MITF, is essential for development and survival of mast cells in vivo. Acts as a synaptic cell adhesion molecule and plays a role in the formation of dendritic spines and in synapse assembly (By similarity). May be involved in neuronal migration, axon growth, pathfinding, and fasciculation on the axons of differentiating neurons. May play diverse roles in the spermatogenesis including in the adhesion of spermatocytes and spermatids to Sertoli cells and for their normal differentiation into mature spermatozoa. [UniProt]
Calculated Mw	49 kDa
PTM	Glycosylation at Asn-67 and Asn-101 promotes adhesive binding and synapse induction. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Cell junction, synapse. Note=Localized to the basolateral plasma membrane of epithelial cells in gall bladder. [UniProt]

## Images

Human Recombinant  
CADM1 Protein



ARG59673 anti-CAMD1 antibody WB image

Western blot: 0.5 ng of Human Recombinant CADM1 Protein stained with ARG59673 anti-CAMD1 antibody at 0.5 µg/ml dilution.

Rat brain  
HeLa  
A549  
Jurkat



ARG59673 anti-CAMD1 antibody WB image

Western blot: 50 µg of Rat brain, 40 µg of HeLa, 40 µg of A549 and 40 µg of Jurkat whole cell lysates stained with ARG59673 anti-CAMD1 antibody at 0.5 µg/ml dilution.