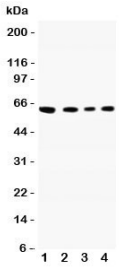
CADM1 Antibody (R31418)

Catalog No.	Formulation	Size
R31418	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9BY67
Applications	0.5-1ug/ml
Limitations	This CADM1 antibody is available for research use only.



Western blot testing of CADM1 antibody and Lane 1: A549; 2: Jurkat; 3: Raji; 4: HeLa lysate. Predicted molecular weight: ~48/37kDa (isoforms 1/2) with N-linked and O-linked glycosylation each possibly adding ~25kDa to the observed size.

Description

Cell adhesion molecule 1 is a protein that, in humans, is encoded by the CADM1 gene. This gene is also known as IGSF4, SYNCAM or TSLC1, and it is mapped to 11q23.3. It functions as a homophilic cell adhesion molecule at the synapse. Expression of the isolated cytoplasmic tail of CADM1 in neurons inhibited synapse assembly. Conversely, expression of full-length protein in non-neuronal cells induced synapse formation by cocultured hippocampal neurons with normal release properties. It has been shown to interact with EPB41L3.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CADM1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human SynCAM/CADM1 (VIQLLNPNRQTIYFRDFRPL) was used as the immunogen for this CADM1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the CADM1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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