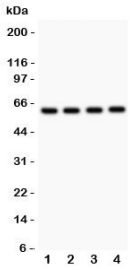
SynCAM Antibody (R31557)

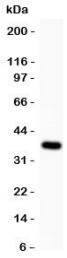
Catalog No.	Formulation	Size
R31557	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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
Gene ID	23705
Applications	Western blot: 0.5-1ug/ml
Limitations	This SynCAM antibody is available for research use only.



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



Western blot testing of SynCAM antibody and recombinant human protein (0.5ng)

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 SynCAM in neurons inhibited synapse assembly. Conversely, expression of full-length protein in nonneuronal cells induced synapse formation by cocultured hippocampal neurons with normal release properties.

Application Notes

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

Immunogen

Human partial recombinant protein (AA 45-340) was used as the immunogen for this SynCAM antibody.

Storage

After reconstitution, the SynCAM 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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