.-online.com antibodies

# Datasheet for ABIN738351 anti-CADM1 antibody (AA 365-442)

3 Images

2 Publications



#### Overview

| Quantity:            | 100 µL   |
|----------------------|--|
| Target:              | CADM1  |
| Binding Specificity: | AA 365-442   |
| Reactivity:          | Human, Rat   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This CADM1 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),<br>Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded<br>Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

| Immunogen:            | KLH conjugated synthetic peptide derived from human TSLC1 |
|-----------------------|---|
| Isotype:              | lgG   |
| Cross-Reactivity:     | Human, Rat  |
| Predicted Reactivity: | Mouse,Dog,Chicken   |
| Purification:         | Purified by Protein A.                                    |
| Target Details        |   |
| Target:               | CADM1   |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN738351 | 03/07/2024 | Copyright antibodies-online. All rights reserved.

| Target Details    |   |
|-------------------|---|
| Alternative Name: | TSLC1 (CADM1 Products)  |
| Background:       | Synonyms: BL2, ST17, IGSF4, NECL2, RA175, TSLC1, IGSF4A, Necl-2, SYNCAM, sgIGSF, sTSLC-           |
|                   | 1, synCAM1, Cell adhesion molecule 1, Immunoglobulin superfamily member 4, Nectin-like            |
|                   | protein 2, Spermatogenic immunoglobulin superfamily, Synaptic cell adhesion molecule, Tumor       |
|                   | suppressor in lung cancer 1, TSLC-1, CADM1  |
|                   | Background: 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.                               |
| Gene ID:          | 23705   |
| UniProt:          | Q9BY67  |
| Pathways:         | Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process,        |
|                   | Cell-Cell Junction Organization, Activated T Cell Proliferation                                   |
|                   |   |

# Application Details

| Application Notes: | WB 1:300-5000         |
|--------------------|-----------------------|
|                    | ELISA 1:500-1000      |
|                    | IHC-P 1:200-400       |
|                    | IHC-F 1:100-500       |
|                    | IF(IHC-P) 1:50-200    |
|                    | IF(IHC-F) 1:50-200    |
|                    | IF(ICC) 1:50-200      |
| Restrictions:      | For Research Use only |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN738351 | 03/07/2024 | Copyright antibodies-online. All rights reserved. Handling

| Format:            | Liquid   |
|--------------------|--|
| Concentration:     | 1 μg/μL  |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.  |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |
| Expiry Date:       | 12 months  |

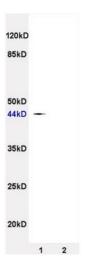
## Publications

Product cited in:

Yuan, Han, Cong, Ge, Ma, Dai, Li, Bi: "Docetaxel-loaded solid lipid nanoparticles suppress breast cancer cells growth with reduced myelosuppression toxicity." in: **International journal of nanomedicine**, Vol. 9, pp. 4829-46, (2014) (PubMed).

Liu, Cui, Ao, Zhou, Zhou, Yuan, Xiang, Liu, Cao et al.: "Aberrant methylation accounts for cell adhesion-related gene silencing during 3-methylcholanthrene and diethylnitrosamine induced multistep rat lung carcinogenesis associated with overexpression of ..." in: **Toxicology and applied pharmacology**, Vol. 251, Issue 1, pp. 70-8, (2011) (PubMed).

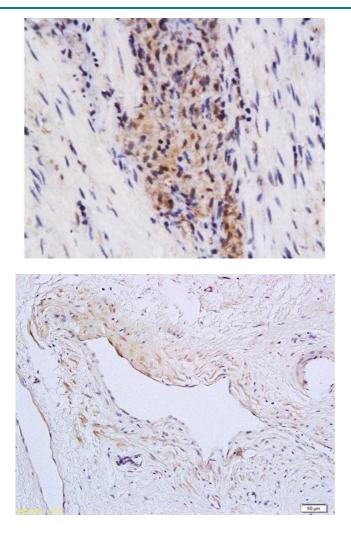
#### Images



#### SDS-PAGE

Image 1. L1 rat brain lysates, L2 rat heart lysates probed(ABIN738351)Anti-SynCAM/TSLC1Polyclonal,Unconjugated at 1:200 in 4 °C. Followed by conjugation tosecondary antibody at 1:3000 90min in 37 °C. Predictedband and observed band size: 44kD.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/4 | Product datasheet for ABIN738351 | 03/07/2024 | Copyright antibodies-online. All rights reserved.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti-SynCAM/TSLC1 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.

## Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin embedded human cervical carcinoma tissue labeled with Anti-SynCAM/TSLC1 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN738351 | 03/07/2024 | Copyright antibodies-online. All rights reserved.