

TSLC1 Polyclonal Antibody

Description

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|--------------------------------|--|
| Product type | Primary Antibody |
| Code | BT-AP09266 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human CADM1. AA range:393-442 |
| Mol wt | 48509 |
| Species reactivity | Human, Mouse |
| Clonality | Polyclonal |
| Recommended application | WB, IF, ELISA |
| Concentration | 1 mg/ml |
| Full name | TSLC1 Antibody |
| Synonyms | CADM1; IGSF4; IGSF4A; NECL2; SYNCAM; TSLC1; Cell adhesion molecule 1; Immunoglobulin superfamily member 4; IgSF4; Nectin-like protein 2; NECL-2; Spermatogenic immunoglobulin superfamily; SgIgSF; Synap |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CADM1 (Cell Adhesion Molecule 1) is a Protein Coding gene. Diseases associated with CADM1 include asthenopia and lung cancer. Among its related pathways are Cell junction organization and Cell adhesion molecules (CAMs). Gene Ontology (GO) annotations related to this gene include protein homodimerization activity and PDZ domain binding. An important paralog of this gene is CADM3. 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.

Recommended Dilution

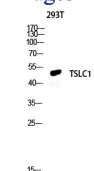
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

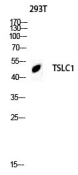
ELISA: 1: 20000

Not yet tested in other applications.

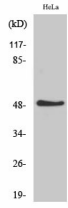
Images



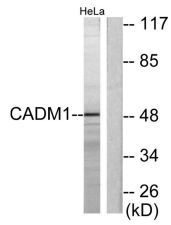
Western blot analysis of 293T lysis using TSLC1 antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000



Western blot analysis of 293T lysis using TSLC1 antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000



Western Blot analysis of various cells using TSLC1 Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000



Western blot analysis of lysates from HeLa cells, using CADM1 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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