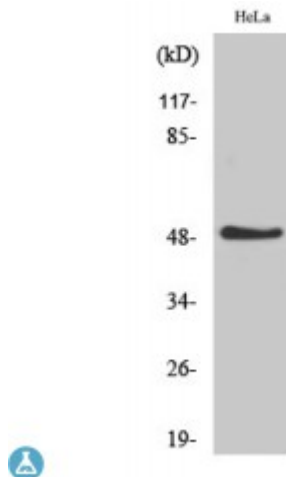


Anti-TSLC1 antibody



Description	Rabbit polyclonal to TSLC1.
Model	STJ96129
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human TSLC1
Immunogen Region	370-450 aa, C-terminal
Gene ID	23705
Gene Symbol	CADM1
Dilution range	WB 1:500-1:2000IF 1:200-1:1000ELISA 1:20000
Specificity	TSLC1 Polyclonal Antibody detects endogenous levels of TSLC1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Cell adhesion molecule 1 Immunoglobulin superfamily member 4 IgSF4 Nectin-like protein 2 NECL-2 Spermatogenic immunoglobulin superfamily SgIgSF Synaptic cell adhesion molecule SynCAM Tumor suppressor i
Molecular Weight	49 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:5951 OMIM:605686
Alternative Names	Cell adhesion molecule 1 Immunoglobulin superfamily member 4 IgSF4 Nectin-like protein 2 NECL-2 Spermatogenic immunoglobulin superfamily SgIgSF Synaptic cell adhesion molecule SynCAM Tumor suppressor i
Function	Mediates homophilic cell-cell adhesion in a Ca(2+)-independent manner. Also mediates heterophilic cell-cell adhesion with CADM3 and NECTIN3 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 . 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.
Sequence and Domain Family	The cytoplasmic domain appears to play a critical role in proapoptosis and tumor suppressor activity in NSCLC.
Cellular Localization	Cell membrane Cell junction, synapse. Localized to the basolateral plasma membrane of epithelial cells in gall bladder.
Post-translational Modifications	Glycosylation at Asn-67 and Asn-101 promotes adhesive binding and synapse induction.