

TSLC1 Polyclonal Antibody

Cat No: HR1AP4761

For research use only

Overview

Product Name	TSLC1 Polyclonal Antibody
Source	Rabbit
Applications	WB,IF,ELISA
Species Reactivity	Human,Mouse
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	49kDa
GeneID?Human?	CADM1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	CADM1; IGSF4; IGSF4A; NECL2; SYNCAM; TSLC1; Cell adhesion molecule 1; Immunoglobulin superfamily member 4; IgSF4; Nectin-like protein 2; NECL-2; Spermatogenic immunoglobulin superfamily; SglgSF; Synap
Background	disease:Absent or down-regulated in many advanced cases of NSCLC as well as in many other human cancers, due to gene silencing by promoter methylation.,domain:The cytoplasmic domain appears to play a critical role in proapoptosis and tumor suppressor activity in NSCLC.,function: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. May act as a synaptic cell adhesion molecule that drives 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.,similarity:Belongs to the nectin family.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Associates with perinuclear and plasma membranes in vivo. Localized to the basolateral plasma membrane of epithelial cells in gall bladder.,subunit:Homodimer. Interacts with CRTAM and EPB41L3/DAL1. The interaction with EPB41L3/DAL1 may act to anchor CADM1 to the actin cytoskeleton. Interacts via its C-terminus with the PDZ domain of MPP3 and the PDZ domain of MPP6.,