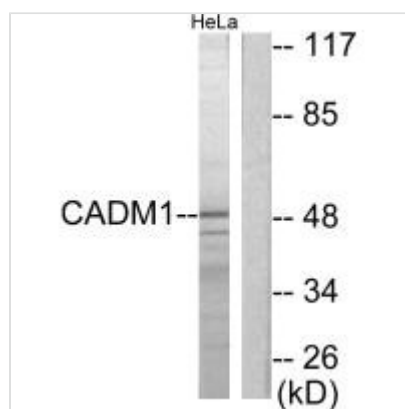




CADM1 Antibody

Product Code	CSB-PA112392
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9BY67
Immunogen	Synthesized peptide derived from C-terminal of Human CADM1.
Raised In	Rabbit
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous levels of total CADM1 protein.
Tested Applications	ELISA,WB;WB:1:500-1:3000
Relevance	Mediates homophilic cell-cell adhesion in a Ca²⁺-independent manner. Also mediates heterophilic cell-cell adhesion with CADM3 and PVRL3 in a Ca²⁺-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 MITE, 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. UniProtKB Q8R5M8 Zhou Y., Biochim. Biophys. Acta 1669:142-154(2005). Ota T., Nat. Genet. 36:40-45(2004). Kuramochi M., Nat. Genet. 27:427-430(2001).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	Cell adhesion molecule 1 [Precursor]; Immunoglobulin superfamily member 4; Nectin-like protein 2; NECL-2; Tumor suppressor in lung cancer 1
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	CADM1
Image	



Western blot analysis of extracts from HeLa cells, using CADM1 antibody.