
SynCAM Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251516

Unit: 0.1 mg

Description:

Synaptic cell adhesion molecule (SynCAM) mediates homophilic cell-cell adhesion in a Ca²⁺-independent manner. SynCAM also mediates heterophilic cell-cell adhesion with CADM3 and PVRL3 in a Ca²⁺-independent manner. SynCAM acts as a tumor suppressor in non-small-cell lung cancer (NSCLC) cells. SynCAM's 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. SynCAM contributes to the less invasive phenotypes of lepidic growth tumor cells. In mast cells, SynCAM mediates attachment to and promotes communication with nerves. CADM1, together with MITF, is essential for development and survival of mast cells in vivo. SynCAM plays diverse roles in spermatogenesis including in the adhesion of spermatocytes and spermatids to Sertoli cells and for their normal differentiation into mature spermatozoa.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: TSLC1; Tumor suppressor in lung cancer 1; SynCAM; Cell adhesion molecule 1; Immunoglobulin superfamily member 4; Nectin-like protein 2; NECL-2; Tumor suppressor in lung cancer 1; TSLC-1; Synaptic cell adhesion molecule; Spermatogenic immunoglobulin superfamily; SgIGSF; CADM1; IGSF4; NECL2

Accession No.: Q9BY67

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SynCAM.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: Ballester M et al. 2012. Oxford Journals. Human Reproduction. 27(11): 3179-3186. PMID# 22926846.

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