细胞粘附分子 2 抗体

产品货号： mlR8246

英文名称： CADM2

中文名称： 细胞粘附分子 2 抗体

别　　名： CADM2; CADM2_HUMAN; Cell adhesion molecule 2; IgSF4D; Immunoglobulin superfamily member 4D; NECL 2; Necl 3; NECL-3; NECL2; Necl3; Nectin like protein 3; Nectin-like protein 3; synCAM 2; synCAM2.

研究领域： 肿瘤　细胞生物　免疫学　神经生物学　细胞粘附分子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 45kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human CADM2:125-250/435 <Extracellular>

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： PubMed

产品介绍 Ig (immunoglobulin) superfamily members exhibit functional characteristics including immune responses, growth factor signaling and cell adhesion. IGSF4D (Ig superfamily member 4D) is also known as

CADM2 (cell adhesion molecule 2), Necl-3 (nectin-like protein 3) or synCAM2 and is a 435 amino acid protein that is a member of the nectin family. IGSF4D contains two C2-type domains and one V-type domain, which are characteristic of the nectin family and are thought to function in molecular recognition. IGSF4D is expressed in many tissues, including brain, where it is detected in the nervous system, specifically in myelinated axons and ependymal cells. IGSF4D is localized to the plasma membrane as a single-pass membrane protein and is expressed as three isoforms. IGSF4D functions in the regulation of cell–cell adhesion by homophilic and heterophilic interactions leading to cell aggregation. These interactions are also important for neuron–neuron or neuron–glia associations, which are important for the development and function of the central nervous system. IGSF4D is downregulated in lung cancer, suggesting a possible role in tumor suppression.

Function:

Adhesion molecule that engages in homo- and heterophilic interactions with the other nectin-like family members, leading to cell aggregation. Important for synapse organization, providing regulated trans-synaptic adhesion. Preferentially binds to oligodendrocytes.

Subcellular Location:

Cell membrane; Single-pass type I membrane protein. Cell junction, synapse. Cell projection, axon. Note=Found in the axoplasm of myelinated axons.

Similarity:

Belongs to the nectin family.

Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

SWISS:

Q8N3J6

Gene ID:

253559

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片