

11-4037: Polyclonal Antibody to CADM1

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| Clonality : | Polyclonal |
| Application : | WB |
| Reactivity : | Human |
| Gene : | CADM1 |
| Gene ID : | 23705 |
| Uniprot ID : | Q9BY67 |
| Format : | Purified |
| Alternative Name : | CADM1,IGSF4,IGSF4A,NECL2,SYNCAM,TSLC1 |
| Isotype : | Rabbit IgG |
| Immunogen Information : | A partial length recombinant CADM1 protein (amino acids 50-250) was used as the immunogen for this antibody. |

Description

Cell Adhesion Molecule 1 (CADM1) encodes a multifunctional immunoglobulin-like cell adhesion molecule whose cytoplasmic domain contains a type II PSD95/Dlg/ZO-1 (PDZ)-binding motif (BM) for associating with other intracellular proteins. CADM1 lacks expression in T lymphocytes of healthy individuals and is overexpressed in adult T-cell leukemia-lymphoma (ATL) cells. CADM1 generates a membrane-associated C-terminal fragment, AlphaCTF, through A disintegrin- and metalloprotease-10-mediated ectodomain shedding, subsequently releasing the intracellular domain (ICD) through gamma-secretase-mediated intramembrane shedding of alphaCTF. alphaCTF localizes to mitochondria and induces apoptosis in lung epithelial cells. In women with multiple cervical biopsies, CADM1/MAL methylation increases with severity of the lesion and is lesion-specific. CADM1/MAL methylation status in cervical scrapes appears to be representative of the worst underlying lesion, particularly for CIN3 and cervical cancer.

Product Info

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| Amount : | 25 µg / 100 µg |
| Purification : | Protein A Chromatography |
| Content : | 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Western blot analysis: 2-4 Åµg/ml

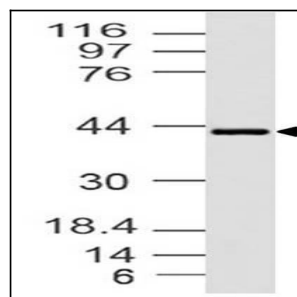


Fig-1: Western blot analysis of CADM1. Anti-CADM1 antibody (11-4037) was used at 4 µg/ml on HCT-116 lysate.