

## 11-4037: Polyclonal Antibody to CADM1

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	CADM1
<b>Gene ID :</b>	23705
<b>Uniprot ID :</b>	Q9BY67
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CADM1,IGSF4,IGSF4A,NECL2,SYNCAM,TSLC1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein A Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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

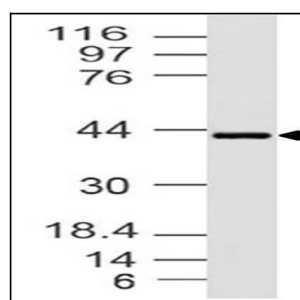


Fig-1: Western blot analysis of CADM1. Anti-CADM1 antibody (11-4037) was used at 4 µg/ml on HCT-116 lysate.