

Datasheet for ABIN5027069
anti-CADM1 antibody (AA 50-250)



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Overview

Quantity:	100 µg
Target:	CADM1
Binding Specificity:	AA 50-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CADM1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A partial length recombinant CADM1 protein (amino acids 50-250) was used as the immunogen for this antibody.
Isotype:	IgG
Purification:	Protein A Chromatography

Target Details

Target:	CADM1
Alternative Name:	CADM1 (CADM1 Products)
Background:	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

Target Details

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.

Molecular Weight:	42 kDa
Gene ID:	23705
UniProt:	Q9BY67
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Cell-Cell Junction Organization , Activated T Cell Proliferation

Application Details

Application Notes:	WB: 2-4 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	PBS containing 0.05 % BSA, PH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

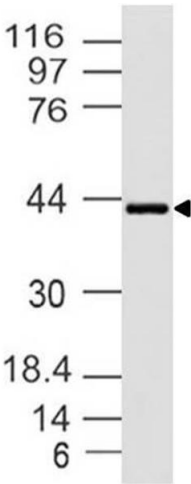


Image 1.