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Datasheet for ABIN6991212
anti-FRMPD2 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	FRMPD2
Binding Specificity:	AA 80-130, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FRMPD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	FRMPD2 antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human FRMPD2. The immunogen is located within amino acids 80 - 130 of FRMPD2.
Isotype:	IgG
Purification:	FRMPD2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	FRMPD2
Alternative Name:	FRMPD2 (FRMPD2 Products)
Background:	FRMPD2 Antibody: The FERM and PDZ domain containing (FRMPD) protein family consists of four proteins that contain a FERM (Four-point-one, erzin, radixin, moesin) domain and at least

Target Details

one PDZ (PSD-95/Discs large/Zonula-occludens-1) domain. FRMPD2 also contains an N-terminal KIND domain and three PDZ domains and is structurally similar to the protein tyrosine phosphatase PTP-BL. FRMPD2 is localized in a polarized fashion in epithelial cells at the basolateral membrane and partially co-localizes with the tight-junction marker protein Zonula-occludens-1. Suppression of FRMPD2 expression via RNAi in Caco-2 cells results in an impairment of tight junction formation, indicating that FRMPD2 plays a major role in tight junction formation. Other experiments indicate that FRMPD2 is a binding partner to several catenin family members and recruitment of FRMPD2 to cell-cell contacts is dependent on E-cadherin-mediated cell-cell adhesion.

Gene ID: 143162

NCBI Accession: [NP_001018081](#)

UniProt: [Q68DX3](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Application Notes: FRMPD2 antibody can be used for detection of FRMPD2 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL.

Antibody validated: Western Blot in rat samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: FRMPD2 Antibody is supplied in PBS containing 0.02 % sodium azide.

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: -20 °C, 4 °C

Storage Comment: FRMPD2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

Handling

As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.