

Product datasheet for **TA306863**

FRMPD2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 5 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	FRMPD2 antibody was raised against a 15 amino acid peptide from near the amino terminus of human FRMPD2.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	FERM and PDZ domain containing 2
Database Link:	NP_001018081 Entrez Gene 143162 Human Q68DX3



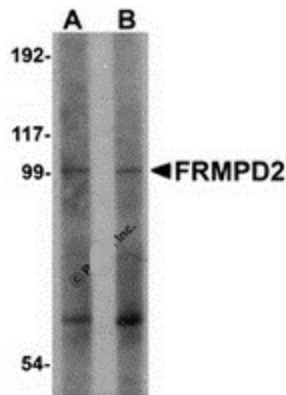
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Background:

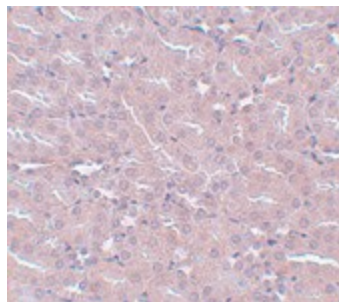
The FERM and PDZ domain containing (FRMPD) protein family consists of four proteins that contain a FERM (Four-point-one, erzin, radixin, moesin) domain and at least one PDZ (PSD-95/Discs large/Zonula-occludens-1) domain. FRMPD2 also contains an N-terminal KIND domain and three PDZ domains and is structurally similar to the protein tyrosine phosphatase PTP-BL (4). 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.

Synonyms:

FERM and PDZ domain containing 2; MGC35285; MGC87776; MGC87777; MGC90186; PDZD5C; PDZ domain containing 5C; PDZK5C

Product images:

Western blot analysis of FRMPD2 in rat kidney tissue lysate with FRMPD2 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of FRMPD2 in mouse kidney tissue with FRMPD2 antibody at 5 ug/ml.