

Datasheet for ABIN6991211 **anti-FRMPD1 antibody (C-Term)**

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Overview

Quantity:	0.1 mg
Target:	FRMPD1
Binding Specificity:	AA 1330-1380, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FRMPD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	FRMPD1 antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human FRMPD1. The immunogen is located within amino acids 1330 - 1380 of FRMPD1.
Isotype:	IgG
Purification:	FRMPD1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	FRMPD1
Alternative Name:	FRMPD1 (FRMPD1 Products)
Background:	FRMPD1 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. FRMPD1 was initially identified through a yeast two-hybrid screening with Activator of G-protein signaling 3 (AGS3), a protein that acts to stabilize the GDP-bound conformation of Gai, as the bait. FRMPD1 binds to the tetratricopeptide repeat of AGS3 and stabilizes AGS3 in a membrane environment. Suppression of FRMPD1 in Cath.a-differentiated neuronal cells decreased the level of endogenous AGS3 in membrane fractions by ~50 % and enhanced the inhibition of forskolin-induced increases in cAMP. Co-immunoprecipitation studies indicate that the interaction of AGS3 with FRMPD1 is mutually exclusive with the interaction of AGS3 with Gai3, suggesting that FRMPD1 may position AGS3 in the membrane where it can then interact with Galphai.

Gene ID: 22844

NCBI Accession: [NP_055722](#)

UniProt: [Q5SYB0](#)

Application Details

Application Notes: FRMPD1 antibody can be used for detection of FRMPD1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunofluorescence starting at 20 µg/mL. For immunofluorescence start at 5 µg/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: FRMPD1 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: FRMPD1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

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