

Product datasheet for **TA306862**

FRMPD1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IF: 5 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	FRMPD1 antibody was raised against a 15 amino acid peptide from near the carboxy terminus of human FRMPD1.
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 1
Database Link:	NP_055722 Entrez Gene 22844 Human Q5SYB0



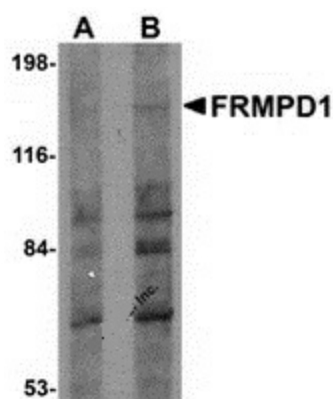
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Background:

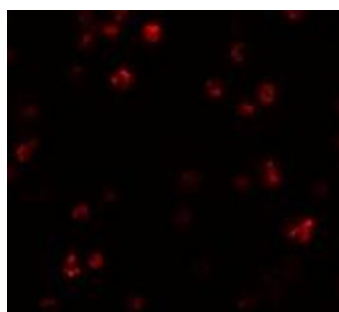
The FERM and PDZ domain containing (FRMPD) protein family consists of four proteins that contain a FERM (Four-point-one, erzin, radixin, moesin) domain and at least one PDZ (PSD-95/Discs large/Zonula-occludens-1) domain. FRMPD1 was initially identified through a yeast two-hybrid screening with Activator 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 Gα_i.

Synonyms:

FRMD2

Product images:


Western blot analysis of FRMPD1 in K562 cell lysate with FRMPD1 antibody at (A) 1 and (B) 2 ug/mL.



Immunofluorescence of FRMPD1 in K562 cells with FRMPD1 antibody at 20 ug/mL.