
FRMPD1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254162

Unit: 0.1 mg

Description:

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 Galphai.

Isotype: Rabbit Ig

Applications: E, WB, IF

Species Reactivity: H

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: FRMPD1; FERM and PDZ domain-containing 1; FRMD2

Accession No.: NP_055722

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human FRMPD1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IF: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.