

Datasheet for ABIN499857
anti-FRMPD1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	FRMPD1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	FRMPD1 antibody was raised against a 15 amino acid peptide from near the carboxy terminus of human FRMPD1.
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	FRMPD1
Alternative Name:	FRMPD1 (FRMPD1 Products)
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

Target Details

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. Synonyms: FERM and PDZ domain-containing protein 1, FERM domain-containing protein 2, FRMD2, KIAA0967

Gene ID: 22844

NCBI Accession: [NP_055722](#)

UniProt: [Q5SYB0](#)

Application Details

Application Notes: ELISA. Western Blot: 1 - 2 µg/mL. Immunofluorescence.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % sodium azide.

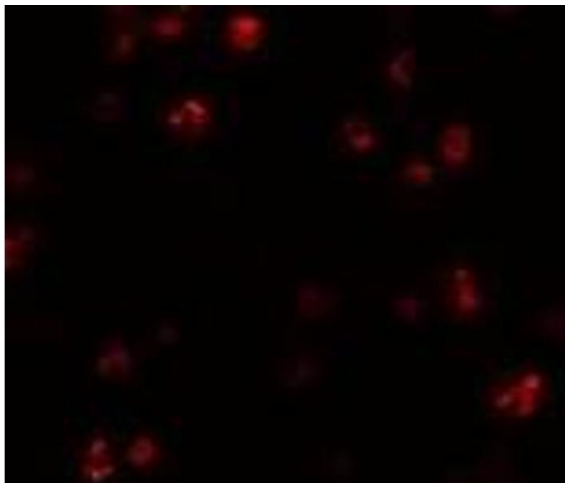
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

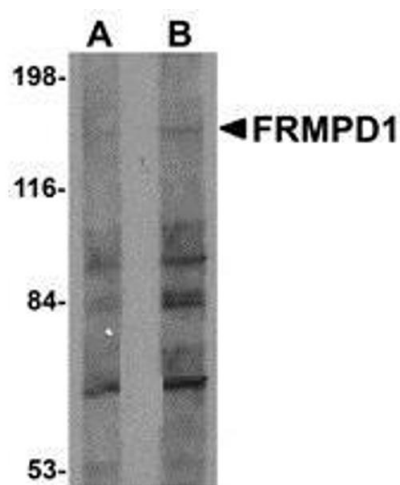
Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.



Immunofluorescence

Image 1. Immunofluorescence of FRMPD1 in K562 cells with AP30347PU-N FRMPD1 antibody at 20 µg/ml.



Western Blotting

Image 2. Western blot analysis of FRMPD1 in K562 cell lysate with AP30347PU-N FRMPD1 antibody at (A) 1 and (B) 2 µg/ml.