

FRMPD3 Antibody

Catalog # ASC11004

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q5JV73
Other Accession	Q5JV73 , 118582027
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	195652
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	FRMPD3 antibody can be used for detection of FRMPD3 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	84443
Other Names	FERM and PDZ domain-containing protein 3, FRMPD3, KIAA1817
Target/Specificity	FRMPD3;
Reconstitution & Storage	FRMPD3 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.
Precautions	FRMPD3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FRMPD3 (HGNC:29382)
Synonyms	KIAA1817

Background

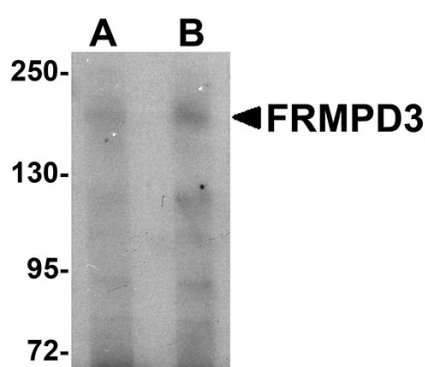
FRMPD3 Antibody: The FERM and PDZ domain containing (FRMPD) protein family consists of four proteins that contain a FERM (Four-point-one, erzin, radixin, moesin) domain and at least one PDZ (PSD-95/Discs large/Zonula-occludens-1) domain. Unlike other members of the FRMPD family, FRMPD3 has no known function. It is most similar to FRMPD4, which is highly expressed in multiple regions of the brain and

enriched in the postsynaptic density (PSD) fractions, it is possible that FRMPD3 also interacts with other PDZ domain-containing proteins in neural cells.

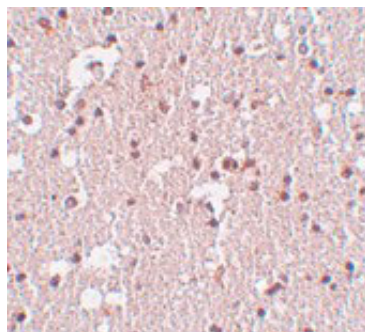
References

- An N, Blumer JB, Bernard ML. The PDZ and Band 4.1 containing protein Frmpd1 regulates the subcellular location of activator of G-protein signaling 3 and its interaction with G-proteins. *J. Biol. Chem.*2008; 283:24718-28.
- Stenzel N, Fetzter CP, Heumann R, et al. PDZ-domain-directed basolateral targeting of the peripheral membrane protein FRMPD2 in epithelial cells. *J. Cell Sci.*2009; 122:3374-84.
- Lee HW, Choi J, Shin H, et al. Preso, a novel PSD-95-interacting FERM and PDZ domain protein that regulates dendritic spine morphogenesis. *J. Neurosci.*2008; 28:14546-56.

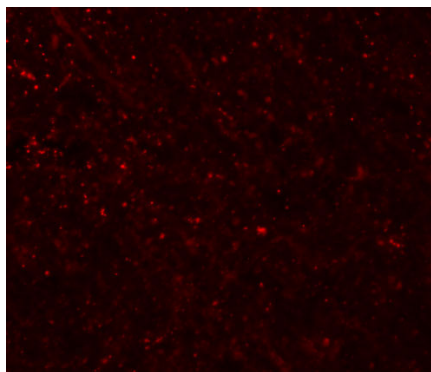
Images



Western blot analysis of FRMPD3 in Jurkat cell lysate with FRMPD3 antibody at (A) 1 and (B) 2 μ g/mL.



Immunohistochemistry of FRMPD3 in human brain tissue with FRMPD3 antibody at 5 μ g/mL.



Immunofluorescence of FRMPD3 in rat brain tissue with FRMPD3 antibody at 20 μ g/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.