

FRMD4B Rabbit pAb

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Catalog # AP58935

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9Y2L6
Reactivity	Rat, Human
Predicted	Dog, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	118047
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FRMD4B
Epitope Specificity	501-600/1034
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, cytoskeleton (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a GRP1-binding protein which contains a FERM protein interaction domain as well as two coiled coil domains. This protein may play a role as a scaffolding protein. [provided by RefSeq, Mar 2014]

Additional Information

Gene ID	23150
Other Names	FERM domain-containing protein 4B, GRP1-binding protein GRSP1, FRMD4B (HGNC:24886)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FRMD4B (HGNC:24886)
Function	Member of GRP1 signaling complexes that are acutely recruited to plasma membrane ruffles in response to insulin receptor signaling. May function as a

scaffolding protein that regulates epithelial cell polarity by connecting ARF6 activation with the PAR3 complex. Plays a redundant role with FRMD4A in epithelial polarization.

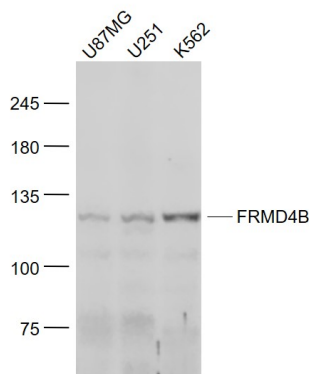
Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q920B0}. Cell junction, tight junction {ECO:0000250|UniProtKB:Q920B0}. Cell junction, adherens junction {ECO:0000250|UniProtKB:Q920B0}. Note=Colocalized with PARD3 at adherens junction and tight junction. {ECO:0000250|UniProtKB:Q920B0}

Background

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Images



Sample:

U87MG(Human) Cell Lysate at 30 ug

U251(Human) Cell Lysate at 30 ug

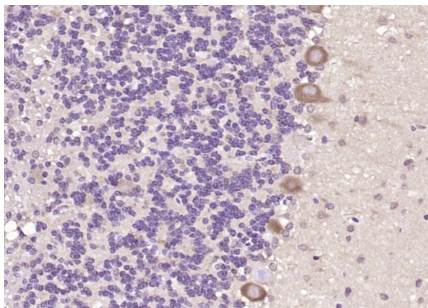
K562(Human) Cell Lysate at 30 ug

Primary: Anti- FRMD4B (AP58935) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 118 kD

Observed band size: 118 kD



Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FRMD4B) Polyclonal Antibody, Unconjugated (AP58935) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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