

FRMD4A Rabbit pAb

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Catalog # AP58934

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9P2Q2
Reactivity	Rat, Human
Predicted	Dog, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	115458
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FRMD4A
Epitope Specificity	281-380/1039
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FRMD4A is a 1,039 amino acid protein that localizes to cytoplasm and contains one FERM domain. The gene encoding FRMD4A maps to human chromosome 10p13. Spanning nearly 135 million base pairs, chromosome 10 makes up approximately 4.5% of total DNA in cells and encodes nearly 1,200 genes. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria

Additional Information

Gene ID	55691
Other Names	FERM domain-containing protein 4A, FRMD4A (HGNC:25491), FRMD4, KIAA1294
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.

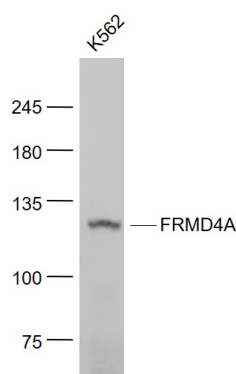
Protein Information

Name	FRMD4A (HGNC:25491)
Synonyms	FRMD4, KIAA1294
Function	Scaffolding protein that regulates epithelial cell polarity by connecting ARF6 activation with the PAR3 complex (By similarity). Plays a redundant role with FRMD4B in epithelial polarization (By similarity). May regulate MAPT secretion by activating ARF6-signaling (PubMed: 27044754).
Cellular Location	Cytoplasm, cytoskeleton. Cell junction, adherens junction {ECO:0000250 UniProtKB:Q8BIE6}. Cell junction, tight junction {ECO:0000250 UniProtKB:Q8BIE6} Note=Colocalized with CYTH1 at adherens junction and tight junction Colocalized with PARD3 during the process of epithelial polarization {ECO:0000250 UniProtKB:Q8BIE6}

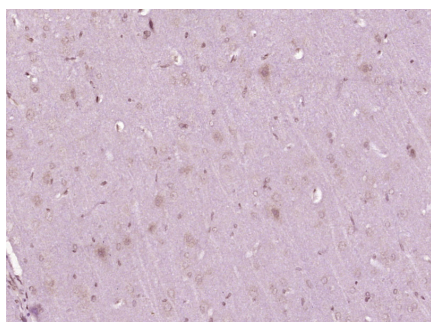
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Images



Sample:
K562(Human) Cell Lysate at 30 ug
Primary: Anti- FRMD4A (AP58934) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 115 kD
Observed band size: 115 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain);
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 (FRMD4A) Polyclonal Antibody, Unconjugated (AP58934) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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