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FAM49A Rabbit pAb

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Catalog # AP56056

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H0Q0
Reactivity	Mouse
Predicted	Human, Rat, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37313
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM49A
Epitope Specificity	251-323/323
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the FAM49 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FAM49A is a 323 amino acid protein that is encoded by a gene which maps to human chromosome 2. The second largest human chromosome, chromosome 2 encodes over 1,400 genes and comprises nearly 8% of the human genome, housing a number of disease-associated genes. Harlequin icthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene, while the lipid metabolic disorder sitosterolemia is associated with defects in the ABCG5 and ABCG8 genes. Additionally, an extremely rare recessive genetic disorder, Alstr鰐 syndrome, is caused by mutations in the ALMS1 gene, which maps to chromosome 2.

Additional Information

Gene ID	81553
Other Names	CYFIP-related Rac1 interactor A, Protein CYRIA, CYRIA {ECO:0000303|PubMed:30250061, ECO:0000312|HGNC:HGNC:25373}
Dilution	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	CYRIA {ECO:0000303|PubMed:30250061, ECO:0000312|HGNC:HGNC:25373}
Function	May negatively regulate RAC1 signaling and RAC1-driven cytoskeletal remodeling (Probable). May regulate chemotaxis, cell migration and epithelial polarization by controlling the polarity, plasticity, duration and extent of protrusions (Probable).
Cellular Location	Membrane {ECO:0000250|UniProtKB:Q9NUQ9}; Lipid- anchor {ECO:0000250|UniProtKB:Q9NUQ9}

Background

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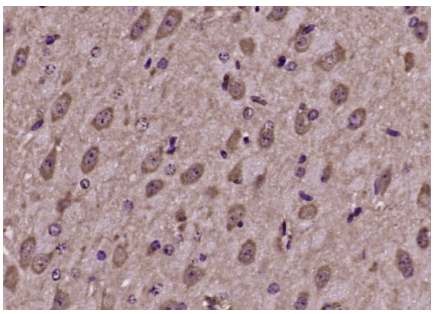
Images



Paraformaldehyde-fixed, paraffin embedded (mouse 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 (FAM49A) Polyclonal Antibody, Unconjugated (AP56056) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.