

FAM49A Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP56056

Specification

Physical State

FAM49A Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat, Bovine
Host
Clonality
Calculated MW
Rat, Bovine
Rabbit
Polyclonal
37 KDa

Immunogen KLH conjugated synthetic peptide derived

Liquid

laG

from human FAM49A

Epitope Specificity 251-323/323

Isotype
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 syndrome, is caused by mutations in the ALMS1 gene, which maps to chromosome 2.

FAM49A Polyclonal Antibody - 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~~N/A<br \><span class</pre>
- ="dilution IHC-F">IHC-F~~N/A<br \><span class

\>E~~N/A



Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

FAM49A Polyclonal Antibody - 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

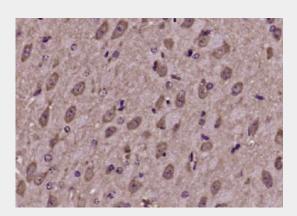
Membrane {ECO:0000250|UniProtKB:Q9NUQ9}; Lipid- anchor {ECO:0000250|UniProtKB:Q9NUQ9}

FAM49A Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FAM49A Polyclonal Antibody - 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 (bs-16000R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.