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FAM92A1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5171c

Specification

FAM92A1 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	A1XBS5
Other Accession	Q3SZG6
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**113-141**

FAM92A1 Antibody (Center) - Additional Information

Gene ID 137392

Other Names
Protein FAM92A1, FAM92A1

Target/Specificity
This FAM92A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 113-141 amino acids from the Central region of human FAM92A1.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
FAM92A1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

FAM92A1 Antibody (Center) - Protein Information

Name CIBAR1 (HGNC:30452)

Synonyms FAM92A, FAM92A1

Function Acts as a positive regulator of ciliary hedgehog signaling (By similarity). Probable regulator of ciliogenesis involved in limb morphogenesis (PubMed:27528616, PubMed:30395363). In cooperation with CBY1 it is involved in the recruitment and fusion of endosomal vesicles at distal appendages during early stages of ciliogenesis (PubMed:27528616, PubMed:30395363). Plays an important role in the mitochondrial function and is essential for maintaining mitochondrial morphology and inner membrane ultrastructure (PubMed:30404948). In vitro, can generate membrane curvature through preferential interaction with negatively charged phospholipids such as phosphatidylinositol 4,5- bisphosphate and cardiolipin and hence orchestrate cristae shape (PubMed:30404948).

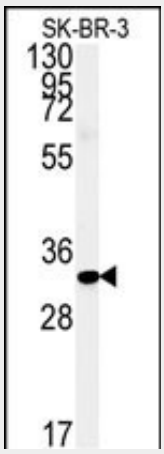
Cellular Location
Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Cytoplasm, cytoskeleton, cilium basal body. Cell projection, cilium {ECO:0000250|UniProtKB:Q8BP22}. Nucleus. Mitochondrion inner membrane; Peripheral membrane protein; Matrix side. Note=Weak punctate vesicular distribution throughout the cytoplasm (PubMed:27528616). Localizes at the distal end of mother centrioles (PubMed:27528616). Extensive colocalization with CBY1 at mother centrioles (PubMed:27528616)

FAM92A1 Antibody (Center) - Protocols

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

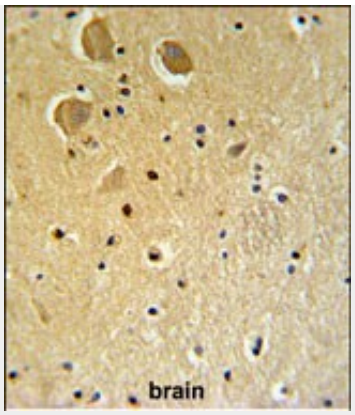
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FAM92A1 Antibody (Center) - Images



Western blot analysis of FAM92A1 Antibody (Center) (Cat. #AP5171c) in SK-BR-3 cell line lysates (35ug/lane).FAM92A1 (arrow) was detected using the purified Pab.

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FAM92A1 Antibody (Center) (Cat. #AP5171c) IHC analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FAM92A1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

FAM92A1 Antibody (Center) - Background

The function of this protein has not been specifically defined.

FAM92A1 Antibody (Center) - References

Liang, S., et al. Cancer Lett. 276(1):81-87(2009)
Ruan, X.Z., et al. Mol. Cells 23(3):391-397(2007)