

FAM92A1 polyclonal antibody

Catalog: BS32755

Host: Rabbit

Reactivity: Human

BackGround:

CBY1-interacting BAR domain-containing protein 1: Plays a critical role in regulating mitochondrial ultra-structure and function by maintaining the integrity of mitochondrial morphology, particularly the organization of cristae . Preferentially binds to negatively charged phospholipids like cardiolipin and phosphatidylinositol 4,5-bisphosphate enhancing its interaction with mitochondrial membranes . Induces membrane curvature and tubulation, which are critical for maintaining mitochondrial ultrastructure and the organization of cristae . Plays a crucial role in ciliogenesis . May play a role in limb development through its role in ciliogenesis . Plays a key role in the correct positioning of the annulus, a septin-based ring structure in the sperm flagellum, serving both as a physical barrier and a membrane diffusion barrier that separates the midpiece (MP) from the principal piece (PP) (By similarity). This positioning is essential fo...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~33.4 kDa

Swiss-Prot:

A1XBS5

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

Storage&Stability:

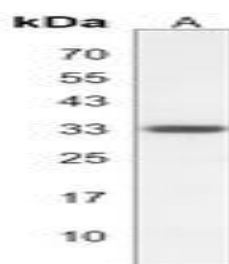
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

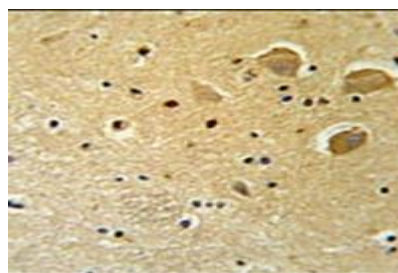
Specificity:

Recognizes endogenous levels of FAM92A1 protein.

DATA:



Western blot analysis of FAM92A1 expression in SKBR3 (A) whole cell lysates.



Immunohistochemical analysis of FAM92A1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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