RAB11A monoclonal antibody

Catalog: MB67047 Host: Mouse Reactivity: Human, Mouse, Rat

BackGround:

Rab11a, Rab11b and Rab25 are members of the Rab11 family of small Ras-like GTPases. Rab11 (isoforms Rab11a and Rab11b) functions as a key regulator in the recycling of perinuclear, plasma membrane and Golgi compartment endosomes . Despite some overlap, distinct differences exist between Rab11a and Rab11b in both their cellular distribution and functional roles. Rab11a is ubiquitously expressed while Rab11b is found mainly in the heart and brain . Like other Rab proteins, Rab11 exerts its function via interactions with Rab11 family interacting proteins (FIPs). While there are three distinct classes of FIPs, all appear to share a conserved carboxy-terminal Rab-binding domain that allows Rab-FIP protein interaction. When bound together, these proteins are thought to regulate membrane-associated protein sorting .

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 25 kDa

Swiss-Prot:

P62491

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/1000 - 1/2000), IHC (1/50 - 1/200)

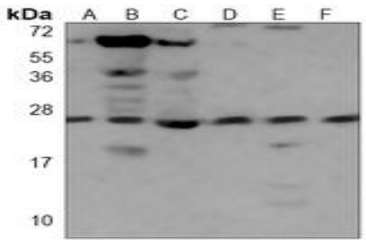
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

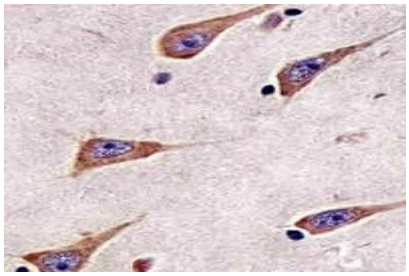
Specificity:

Recognizes endogenous levels of RAB11A protein.

DATA:



Western blot analysis of RAB11A expression in Hela (A), Jurkat (B), C2C12 (C), PC12 (D), rat brain (E), 293T (F) whole cell lysates.



Immunohistochemical analysis of RAB11A 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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