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Anti-RAB11FIP4 Antibody

Catalog # AP59882

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q86YS3
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71928

Additional Information

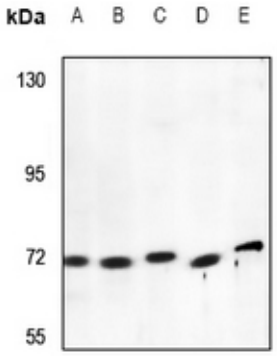
Gene ID	84440
Other Names	ARFO2; KIAA1821; Rab11 family-interacting protein 4; FIP4-Rab11; Rab11-FIP4; Arfophilin-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RAB11FIP4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

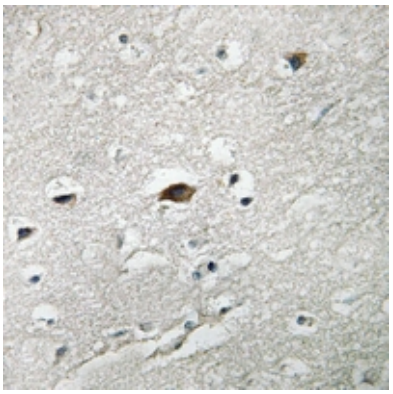
Name	RAB11FIP4
Synonyms	ARFO2, KIAA1821
Function	Acts as a regulator of endocytic traffic by participating in membrane delivery. Required for the abscission step in cytokinesis, possibly by acting as an 'address tag' delivering recycling endosome membranes to the cleavage furrow during late cytokinesis. In case of infection by HCMV (human cytomegalovirus), may participate in egress of the virus out of nucleus; this function is independent of ARF6.
Cellular Location	Endosome. Cytoplasm, cytoskeleton, spindle Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Recycling endosome membrane; Peripheral membrane protein. Cleavage furrow. Midbody. Cytoplasmic vesicle. Note=Recruited to the cleavage furrow and the midbody during cytokinesis

Tissue Location	Present at high level in testis (at protein level). Weakly expressed in other tissues.

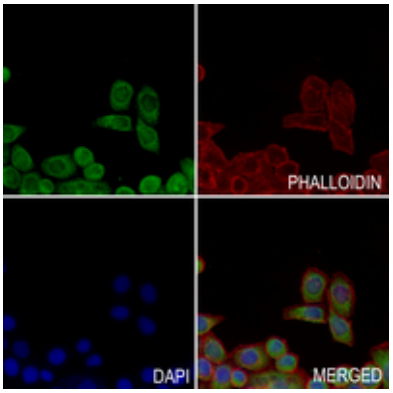
Images



Western blot analysis of RAB11FIP4 expression in rat testis (A), mouse testis (B), PC3 (C), LOVO (D), A549 (E) whole cell lysates. (Predicted band size: 60; 71 kD; Observed band size: 72 kD)



Immunohistochemical analysis of RAB11FIP4 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.



Immunofluorescent analysis of RAB11FIP4 staining in ECA109 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.