

Anti-Rab11-FIP3 antibody



Description	Rabbit polyclonal to Rab11-FIP3.
Model	STJ95309
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human Rab11-FIP3
Immunogen Region	540-620 aa, C-terminal
Gene ID	9727
Gene Symbol	RAB11FIP3
Dilution range	IHC 1:100-1:300ELISA 1:10000
Specificity	Rab11-FIP3 Polyclonal Antibody detects endogenous levels of Rab11-FIP3 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Rab11 family-interacting protein 3 FIP3-Rab11 Rab11-FIP3 Arfophilin-1 EF hands-containing Rab-interacting protein Eferin MU-MB-17.148
Molecular Weight	82.44 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17224 OMIM:608738
Alternative Names	Rab11 family-interacting protein 3 FIP3-Rab11 Rab11-FIP3 Arfophilin-1 EF hands-containing Rab-interacting protein Eferin MU-MB-17.148
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. Also required for the structural integrity of the endosomal recycling compartment during interphase. May play a role in breast cancer cell motility by regulating actin cytoskeleton. Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track) .
Sequence and Domain Family	The RBD-FIP domain mediates the interaction with Rab11 (RAB11A or RAB11B).
Cellular Localization	Recycling endosome membrane Cleavage furrow Midbody. In early mitosis remains diffuse and distributed through the cell. The onset of anaphase sequesters these vesicles to the centrosomes at the opposite poles of the cell. During telophase these vesicles move from the centrosomes, to the furrow, and then to the midbody to aid in abscission . Interaction with Rab11 mediates localization to endosomes . Interaction with ARF6 mediates localization to the midbody .
Post-translational Modifications	Phosphorylated at Ser-102 by CDK1 during metaphase, and dephosphorylated as cells enter telophase.