

Recombinant Anti-RASEF Rabbit mAb

Catalog # AP95139

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q8IZ41
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	82879

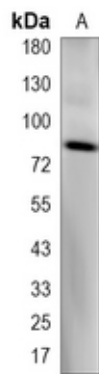
Additional Information

Gene ID	158158
Other Names	RAB45; Ras and EF-hand domain-containing protein; Ras-related protein Rab-45
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human RASEF protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

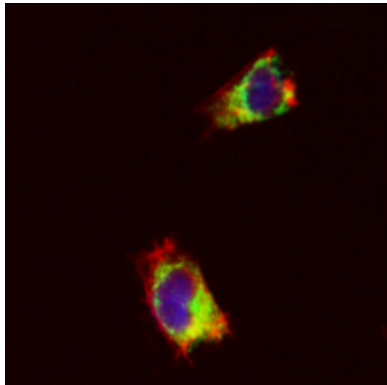
Protein Information

Name	RASEF (HGNC:26464)
Function	[Isoform 1]: Rab GTPase that acts as a dynein adapter protein, thereby activating dynein-mediated transport and dynein- dynactin motility on microtubules (PubMed: 30814157). RASEF-mediated dynein motility is Ca(2+)-independent (PubMed: 30814157). Also regulates the formation and sorting of zymogen granules and secretion of digestive enzymes by pancreatic acinar cells (By similarity).
Cellular Location	[Isoform 1]: Cytoplasm, perinuclear region. Cytoplasm Golgi apparatus. Early endosome. Late endosome. Lysosome Note=Mostly diffusely distributed in the cytoplasm and partially localized to Golgi and endo-lysosomes in pancreatic cells
Tissue Location	Down-regulated in cutaneous melanoma cells but not in breast cancer cells.

Images



Western blot analysis of RASEF expression in A431 (A) whole cell lysates. (Predicted band size: 83 kD; Observed band size: 85 kD)



Immunofluorescent analysis of RASEF staining in A431 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 humidified chamber. Cells were washed with PBST and incubated with an 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).

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