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RAB45 Antibody

Rabbit mAb
Catalog # AP93052

Product Information

Application	WB, IF, FC, ICC
Primary Accession	Q8IZ41
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	RAB45;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	82879

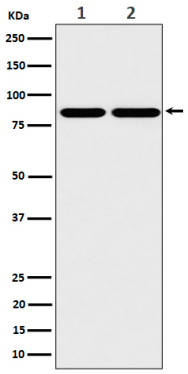
Additional Information

Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human RAB45
Description	Binds predominantly GDP, and also GTP (PubMed:17448446). Acts as a dynein adapter protein that activates dynein-mediated transport and dynein-dynactin motility on microtubules (PubMed:30814157).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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 RAB45 expression in (1) A431 cell lysate; (2) Raw264.7 cell lysate.

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