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RASEF Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15406

Product Information

Application	WB
Primary Accession	Q8IZ41
Other Accession	NM_152573, NP_689786
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82879

Additional Information

Gene ID	158158
Alias Symbol	FLJ31614, RAB45
Other Names	Ras and EF-hand domain-containing protein, Ras-related protein Rab-45, RASEF, RAB45
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-RASEF antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	RASEF Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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.

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (DEC-2006) to the EMBL/GenBank/DDBJ databases.
Joensson G.,et al.J. Natl. Cancer Inst. 97:1377-1382(2005).
Shintani M.,et al.Biochem. Biophys. Res. Commun. 357:661-667(2007).

Images



Host: Rabbit
Target Name: RASEF
Sample Tissue: Fetal Kidney lysates
Antibody Dilution: 1.0µg/ml

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