

RAB22A antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI14117

Product Information

Application	WB, IHC
Primary Accession	P35285
Other Accession	NM_020673 , NP_065724
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21802

Additional Information

Gene ID	19334
Alias Symbol	MGC16770
Other Names	Ras-related protein Rab-22A, Rab-22, Rab-14, Rab22a, Rab22
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-RAB22A 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	RAB22A antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Rab22a {ECO:0000312 MGI:MGI:105072}
Synonyms	Rab22
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes (PubMed: 19759177 , PubMed: 27718357). Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). RAB22A plays a role in endocytosis and intracellular protein transport (PubMed: 19759177 , PubMed: 27718357). Mediates trafficking of transferrin/TF from early endosomes to recycling endosomes. Required for NGF-mediated

endocytosis of NTRK1, and subsequent neurite outgrowth. Has low GTPase activity (By similarity).

Cellular Location

Endosome membrane; Lipid-anchor. Cell membrane {ECO:0000250|UniProtKB:P51154}; Lipid-anchor. Early endosome Late endosome {ECO:0000250|UniProtKB:P51154}. Cell projection, ruffle {ECO:0000250|UniProtKB:Q9UL26}. Cytoplasmic vesicle. Cytoplasmic vesicle, phagosome {ECO:0000250|UniProtKB:Q9UL26}. Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Note=Recruited to phagosomes containing S.aureus or M.tuberculosis. {ECO:0000250|UniProtKB:Q9UL26}

Tissue Location

Detected in brain and heart, and at lower levels in lung and spleen.

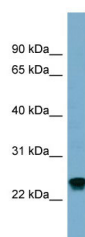
References

Kusmann S.,et al.Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
Carninci P.,et al.Science 309:1559-1563(2005).
Chavrier P.,et al.Gene 112:261-264(1992).
Olkkonen V.M.,et al.J. Cell Sci. 106:1249-1261(1993).
Zhu H.,et al.Mol. Biol. Cell 20:4720-4729(2009).

Images



Lanes : Murin JAWS-II cells
Primary Antibody Dilution : 1:1000
Secondary Antibody : Anti-rabbit-FITC Secondary
Antibody Dilution : 1:1500
Gene Name : Blue: Nucleus Green: Rab22a Submitted by :
RAB22A



WB Suggested Anti-RAB22A Antibody Titration: 0.2-1
µg/ml
Positive Control: MCF7 cell lysate
RAB22A is strongly supported by BioGPS gene expression
data to be expressed in Human MCF7 cells

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