

ARL13B antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI13455

Product Information

Application	WB
Primary Accession	Q3SXY8
Other Accession	NM_144996 , NP_659433
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine, Yeast
Predicted	Human, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48643

Additional Information

Gene ID	200894
Alias Symbol	ARL2L1, DKFZp686E2075, DKFZp686L2472, DKFZp686M2074, DKFZp761H079, MGC120611, MGC120612, JBTS8
Other Names	ADP-ribosylation factor-like protein 13B, ADP-ribosylation factor-like protein 2-like 1, ARL2-like protein 1, ARL13B, ARL2L1
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-ARL13B 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	ARL13B antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ARL13B
Synonyms	ARL2L1
Function	Cilium-specific protein required to control the microtubule- based, ciliary axoneme structure. May act by maintaining the association between IFT subcomplexes A and B. Binds GTP but is not able to hydrolyze it; the GTPase activity remains unclear. Required to pattern the neural tube. Involved in cerebral cortex development: required for the initial formation of a polarized radial glial scaffold, the first step in the construction of the cerebral cortex, by regulating ciliary signaling. Regulates the migration and placement of

postmitotic interneurons in the developing cerebral cortex. Plays a role in ciliar trafficking of phosphatidylinositol phosphatase INPP5E in ciliogenesis (PubMed:[38219074](#)). May regulate ARF6- and RAB22A- dependent endocytic recycling traffic (PubMed:[23223633](#)).

Cellular Location

Cell projection, cilium membrane; Lipid- anchor. Cell projection, cilium. Cell membrane. Cytoplasm, cytoskeleton. Note=Associates with the cilium membrane via palmitoylation. Localizes to proximal ciliary membranes, to an inversin-like subciliary membrane compartment, excluding the transition zone (PubMed:25138100, PubMed:38219074). Colocalizes with microtubules (PubMed:23223633).

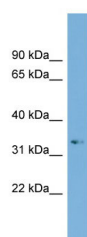
Tissue Location

Expressed in the developing brain.

References

Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Fan Y.,et al.Nat. Genet. 36:989-993(2004).
Hori Y.,et al.Biochem. Biophys. Res. Commun. 373:119-124(2008).

Images



WB Suggested Anti-ARL13B Antibody Titration: 0.2-1
µg/ml
ELISA Titer: 1:1562500
Positive Control: Jurkat cell lysate

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