

Rabbit ARL13B Polyclonal Antibody | anti-ARL13B antibody

ARL13B Antibody

CATALOG # AAA322827	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Dog	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ARL13B; Polyclonal Antibody; ARL13B Antibody; ADP ribosylation factor like 13B; ADP ribosylation factor like 2 like 1; ADP-ribosylation factor-like protein 13B; ADP-ribosylation factor-like protein 2-like 1; ARL13B_HUMAN; arl13b; ARL2-like protein 1; ARL2L1; JBTS8; anti-ARL13B antibody

PRODUCT SPECIFICATIONS

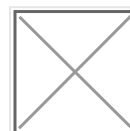
Host	Rabbit
Reactivity	Human, Mouse, Rat, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	ARL13B antibody detects endogenous levels of ARL13B.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	428
Applicable Applications for anti-ARL13B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ARL13B.
Subcellular Location	Plasma Membrane
Tissue Specificity	Expressed in the developing brain.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (92%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA322827 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of mouse brain tissue, using ARL13B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ARL13B antibody	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. May regulate endocytic recycling traffic; however, additional evidences are required to confirm these data. Subunit Structure: Monomer (By similarity). Interacts with PIFO. Interacts with IFT complex B components IFT46 and IFT74. Post-translational Modifications: Sumoylation is required for PKD2 entry into cilium. Similarity: Belongs to the small GTPase superfamily. Arf family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	292658834
NCBI GeneID	200894
NCBI Accession #	NP_001167621.1
NCBI GenBank Nucleotide #	NM_001174150.1
UniProt Accession #	Q3SXY8; Q504W8; Q8TCL5; D3DN29; G3V1S8
Molecular Weight	Observed: 40-48 kDa; 66 kDa Predicted: 49 kDa
NCBI Official Full Name	ADP-ribosylation factor-like protein 13B isoform 1
NCBI Official Synonym Full Names	ADP ribosylation factor like GTPase 13B
NCBI Official Symbol	ARL13B
NCBI Official Synonym Symbols	JBTS8; ARL2L1
NCBI Protein Information	ADP-ribosylation factor-like protein 13B
UniProt Protein Name	ADP-ribosylation factor-like protein 13B
UniProt Gene Name	ARL13B
UniProt Synonym Gene Names	ARL2L1; ARL2-like protein 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/arl13b-antibody-immunohistochemistry-western-blot-elisa/322827>