

Rabbit ARL3 Polyclonal Antibody | anti-ARL3 antibody

ARL3 Antibody

CATALOG # AAA322968	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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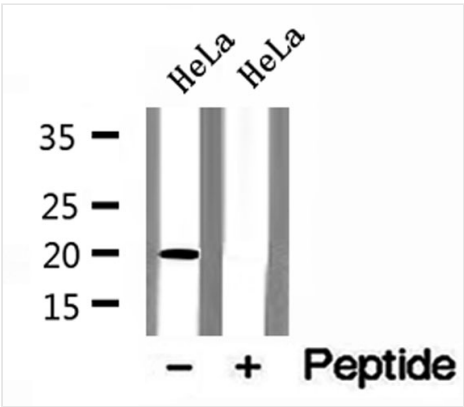
PRODUCT SYNONYMS

ARL3; Polyclonal Antibody; ARL3 Antibody; ADP ribosylation factor like 3; ADP-ribosylation factor-like protein 3; Arf like 3; Arf like protein 3; ARFL3; ARL3_HUMAN; anti-ARL3 antibody

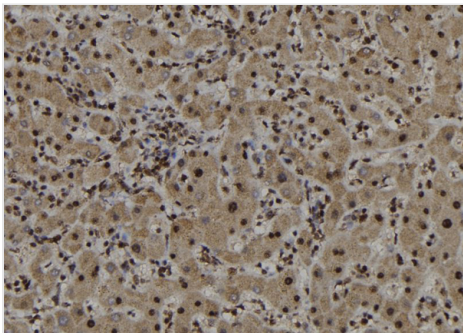
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ARL3 antibody detects endogenous levels of ARL3.
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	182
Applicable Applications for anti-ARL3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ARL3.
Subcellular Location	Golgi Apparatus Membrane. Cytoplasm > Cytoskeleton > Spindle. Nucleus. Cytoplasm > Cytoskeleton > Centrosome. Cytoplasm. Cell projection > Cilium. Detected predominantly in the photoreceptor connecting cilium. Present on the mitotic spindle. Centrosome-associated throughout the cell cycle. Not detected to interphase microtubules.
Tissue Specificity	Expressed in the retina. Strongly expressed in connecting cilium, the myoid region of the inner segments (IS) and in cone photoreceptors (at protein level).
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (86%), Sheep (100%), Rabbit (86%), Dog (100%), Chicken (86%), Xenopus (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of HeLa cells, using ARL3 antibody.



IHC (Immunohistochemistry)
AAA322968 at 1/100 staining Human liver 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.

ADDITIONAL INFORMATION

Related Product Information for anti-ARL3 antibody	Function: Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). Required for normal cytokinesis and cilia signaling. Requires assistance from GTPase-activating proteins (GAPs) like RP2 and PDE6D, in order to cycle between inactive GDP-bound and active GTP-bound forms. Required for targeting proteins such as NPHP3 to the ciliary membrane by releasing myristoylated NPHP3 from UNC119B cargo adapter into the cilium. Does not act as an allosteric activator of the cholera toxin catalytic subunit. Subunit Structure: Interacts with RP2. The GTP-bound form interacts with PDE6D. Found in a complex with ARL3, RP2 and UNC119 (or UNC119B); RP2 induces hydrolysis of GTP ARL3 in the complex, leading to the release of UNC119 (or UNC119B). Interacts with SYS1. The GTP-bound form interacts with ARL2BP and PDE6D. Interacts with RP2; interaction is direct and stimulated with the activated GTP-bound form of ARL3. Microtubule-associated protein. Does not interact with TBCC. May interact with GOLGA4. Similarity: Belongs to the small GTPase superfamily. Arf family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4757774
NCBI GeneID	403
NCBI Accession #	NP_004302.1
NCBI GenBank Nucleotide #	NM_004311.3
UniProt Accession #	P36405; Q53X83; Q5JSM2; B2R6C7
Molecular Weight	Observed: 20 kDa Predicted: 21 kDa
NCBI Official Full Name	ADP-ribosylation factor-like protein 3
NCBI Official Synonym Full Names	ADP ribosylation factor like GTPase 3
NCBI Official Symbol	ARL3
NCBI Official Synonym Symbols	ARFL3
NCBI Protein Information	ADP-ribosylation factor-like protein 3
UniProt Protein Name	ADP-ribosylation factor-like protein 3
UniProt Gene Name	ARL3
UniProt Synonym Gene Names	ARFL3

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://www.aaabiotech.com/polyclonal/ar13-antibody-immunohistochemistry-western-blot-elisa/322968>