

Anti-ARL13B Rabbit pAb

Affinity Purified Rabbit Polyclonal Antibody

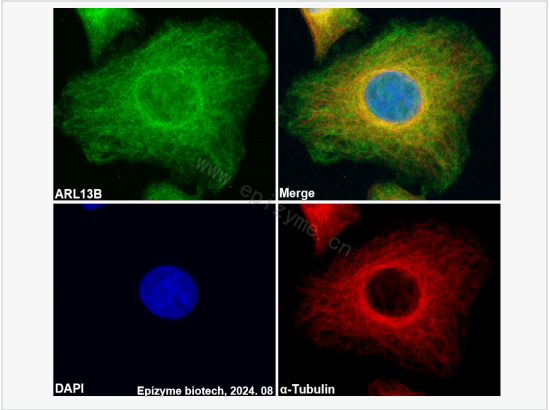
Catalog # P900005

Product Information

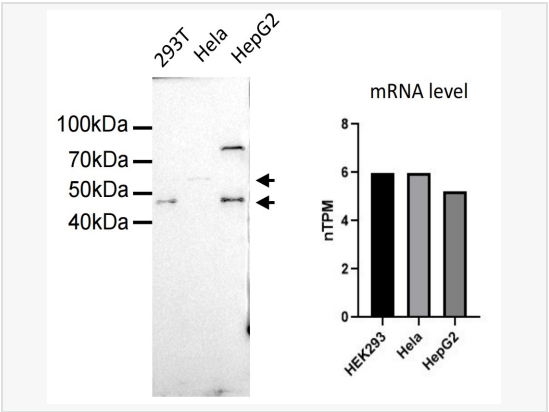
Application	WB, IHC-P, IF (Tissue-P)
Reactivity	Human
Dilution	WB 1:1,000; IHC-P 1:1,000; IF 1:50~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	This ARL13B antibody is generated from rabbits immunized with a SHC conjugated synthetic peptide between 398-412 amino acids from the C-terminal region of human ARL13B.
Format	Purified polyclonal antibody supplied in PBS with 0.02% (W/V) sodium azide and 50% glycerol, pH 7.3. This antibody is purified by peptide affinity, followed by dialysis against PBS.
Storage	Shipped on wet ice. Store at 20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ARL13B Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

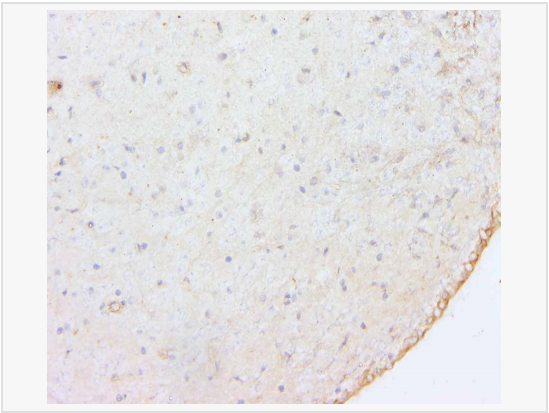
Synonyms	JBTS8; ARL2L1; ADP Ribosylation Factor Like GTPase 13B; ADP-Ribosylation Factor-Like 2-Like 1; ARL2-Like Protein 1; ADP-Ribosylation Factor-Like Protein 2-Like 1; ADP-Ribosylation Factor-Like Protein 13B; ADP-Ribosylation Factor Like GTPase 13B; ADP-Ribosylation Factor-Like 13B; AR13B_HUMAN.
Calculated MW	47 kDa
Primary Accession	Q3SXY8
Gene ID	200894
Antigen Region	398-412 aa
Background	This gene encodes a member of the ADP-ribosylation factor-like family. The encoded protein is a small GTPase that contains both N-terminal and C-terminal guanine nucleotide-binding motifs. This protein is localized in the cilia and plays a role in cilia formation and in maintenance of cilia. Mutations in this gene are the cause of Joubert syndrome 8. Alternate splicing results in multiple transcript variant.
Cellular Location	Cilium membrane.
Tissue Location	Expressed in the developing brain.



Immunofluorescence - Anti-ARL13B Rabbit pAb
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: P900005 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



All lanes: Anti-ARL13B Rabbit pAb at 1:1,000 dilution
Lane 1: 293T cell Lysates
Lane 2: HeLa cell Lysates
Lane 3: HepG2 cell Lysates
Lysates/proteins at 20 μ g per lane.
Secondary Goat Anti-Rabbit IgG, (H L), Peroxidase conjugated (LF102) at 1:5,000 dilution.
Observed band size: 40-48 kDa, 60 kDa
Blocking/Dilution buffer: 1 \times PBST.
Arrow indicated the observed band.
Note: mRNA level was acquired from Protein Atlas database.



Immunohistochemical analysis of paraffin-embedded Rat brain tissue using Anti-ARL13B Rabbit pAb. Antigen repair using EDTA antigen repair solution and blocking with 5% BSA for half 0.5 hour. Samples were incubated with primary antibody (1:1,000) overnight at 4°C. A undiluted HRP-labeled anti-rabbit IgG was used as the secondary antibody for 0.5 hour.