

For Research Use Only

ARL13B Monoclonal antibody

Catalog Number: 66739-1-Ig **6 Publications**



Basic Information

Catalog Number: 66739-1-Ig	GenBank Accession Number: BC094725	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 200894	CloneNo.: 1H6C3
Source: Mouse	Full Name: ADP-ribosylation factor-like 13B	Recommended Dilutions: WB 1:1000-1:6000 IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 48 kDa	
Immunogen Catalog Number: AG12031	Observed MW: 60 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : HepG2 cells, HEK-293 cells, NCCIT cell IF : MDCK cells,
Cited Applications: IF	
Species Specificity: Canine, Human, mouse, pig	
Cited Species: human, mouse, rat	

Background Information

ARL13B, also named as ARL2L1, is a small ciliary G protein of the Ras superfamily. Localized in the cilia, it is required for cilium biogenesis and sonic hedgehog signaling. Defects in ARL13B are the cause of Joubert syndrome (JS) which is an autosomal recessive disorder characterized by a distinctive cerebellar malformation (PMID: 19906870). Arl13b is predicted to be a 48 kDa protein, and the 60 kDa band is likely to represent a modified form of Arl13b. ARL13B can be used to mark the cilia (PMID:22072986).

Notable Publications

Author	Pubmed ID	Journal	Application
Elisa Molinari	33059616	BMC Nephrol	IF
Elisa Molinari	31346239	Sci Rep	IF
LA Devlin	31990917	PLoS One	IF

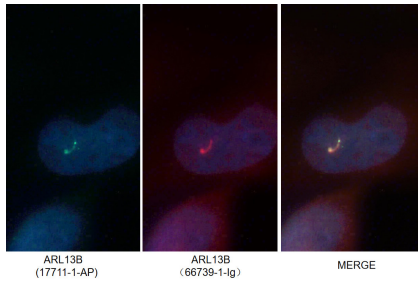
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

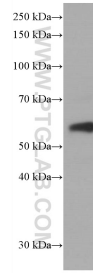
For technical support and original validation data for this product please contact:
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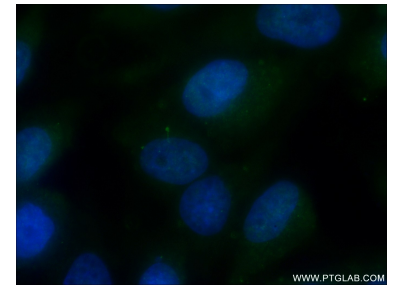
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MDCK cells using 66739-1-Ig (ARL13B antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



HepG2 cells were subjected to SDS PAGE followed by western blot with 66739-1-Ig (ARL13B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MDCK cells using 66739-1-Ig (ARL13B antibody) at dilution of 1:60 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).