

À des fins de recherche uniquement

Anticorps Monoclonal anti-ARL13B

Numéro de catalogue: 66739-1-Ig **14 Publications**



Informations de base

Numéro de catalogue: 66739-1-Ig	Numéro d'acquisition GenBank: BC094725	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 2000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 200894	CloneNo.: 1H6C3
Hôte: Mouse	Nom complet: ADP-ribosylation factor-like 13B	Dilutions recommandées: WB 1:1000-1:6000 IF 1:50-1:500
Isotype: IgG2a	MW calculé: 48 kDa	
Immunogen Catalog Number: AG12031	MW observés: 60 kDa	

Applications

Applications testées: IF, WB, ELISA	Contrôles positifs: WB : cellules HepG2, cellule NCCIT, cellules HEK-293 IF : cellules MDCK, cellules hTERT-RPE1, tissu cardiaque de souris
Demandes citées: IF, WB	
Spécificité de l'espèce: canin, Humain, porc, souris	
Espèces citées: Humain, rat, souris	

Informations générales

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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Dario Cilleros-Rodriguez	36063381	Elife	WB
Caroline Shak	36268591	J Cell Sci	WB,IF
Matteus Krappitz	36270750	J Am Soc Nephrol	IF

Stockage

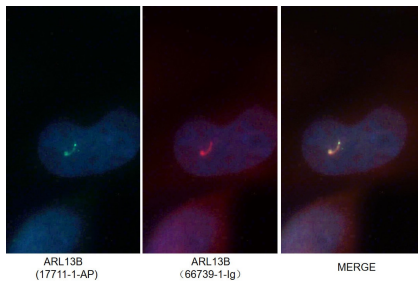
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

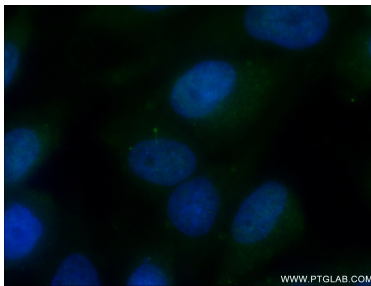
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

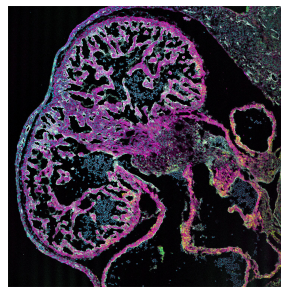
Données de validation sélectionnées



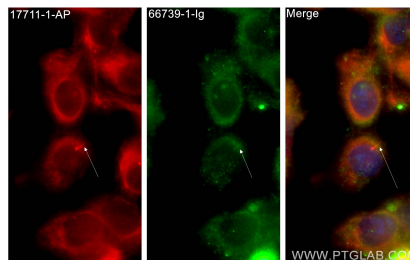
Immunofluorescent analysis of (4% PFA) fixed MDCK cells using 66739-1-Ig (ARL13B antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



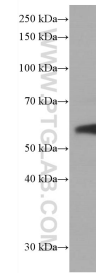
Immunofluorescent analysis of (4% PFA) fixed MDCK cells using 66739-1-Ig (ARL13B antibody) at dilution of 1:60 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



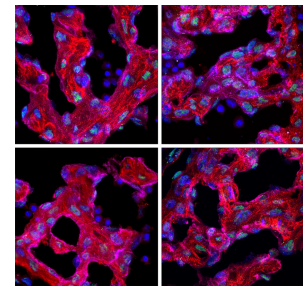
Frozen tissue section of embryonic mouse heart (E12.5) was stained for cardiac troponin-T/cTnT (magenta, Cat. No 15513-1-AP), CD31/PECAM-1 (white), and Arl13B (yellow, Cat. No 66739-1-Ig) with DAPI as a counterstain for visualizing the nucleus (cyan). cTnT stains cardiomyocytes and was visualized with an Alexa Fluor 555 secondary antibody and pseudocolored to magenta. CD31 stains endocardial/endothelial cells and was visualized with an Alexa Fluor 647 secondary



Immunofluorescent analysis of (-20°C Methanol) fixed hTERT-RPE1 cells using ARL13B antibody (66739-1-Ig, Clone: 1H6C3) at dilution of 1:800 and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), ARL13B antibody (17711-1-AP, red).



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.



Frozen tissue section of embryonic mouse heart (E12.5) was stained for cardiac troponin-T /cTnT (red, Cat. No 15513-1-AP), CD31/PECAM-1 (magenta), and Arl13B (green, Cat. No 66739-1-Ig) with DAPI as a counterstain for visualizing the nucleus (blue). cTnT stains cardiomyocytes and was visualized with an Alexa Fluor 555 secondary antibody. CD31 stains endocardial/endothelial cells and was visualized with an Alexa Fluor 647 secondary