Nur für Forschungszwecke

ARL13B Monoklonaler Antikörper

Katalog-Nr.:66739-1-Ig 12 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
66739-1-Ig

Größe:
150ul , Konzentration: 2200 μg/ml von Nanodrop und 1000 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgG2a

Immunogen Katalognummer:
AG12031

GenBank-Zugangsnummer:
BC094725

GeneID (NCBI):
200894

Vollständiger Name:
ADP-ribosylation factor-like 13B

Berechneté Masse:
48 kDa

Beobachteté Masse:
60 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
1H6C3

Empfohlene Verdünnungen:
WB 1:1000-1:6000
IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
IF, WB, ELISA

In Publikationen genannte Anwendungen:
IF, WB

Getestete Reaktivität:
Hausschwein, Human, Hund, Maus

Zitierte Arten:
Human, Maus, Ratte

Positivkontrollen:

WB : HepG2-Zellen, HEK-293-Zellen

IF : MDCK-Zellen, hTERT-RPE1-Zellen, Mausherzgewebe

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

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

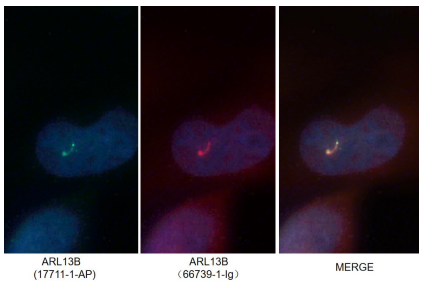
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

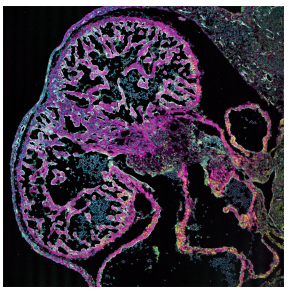
*** 20ul-Größen enthalten 0.1% BSA

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

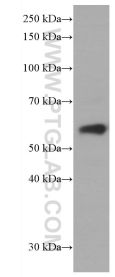
Ausgewählte Validierungsdaten



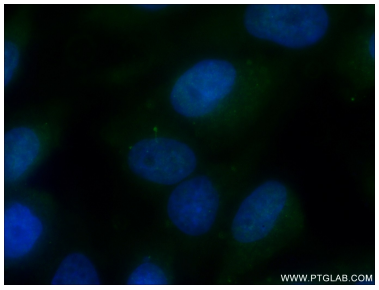
Immunofluorescent analysis of (4% PFA) fixed MDCK cells using 66739-1-Ig (ARL13B antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



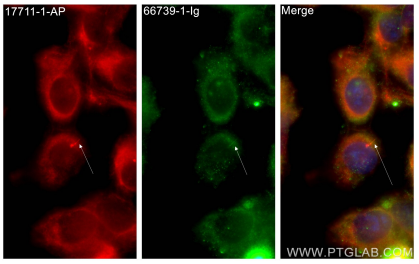
Frozen tissue section of embryonic mouse heart (E12.5) was stained for cardiac troponin-T/cTnT (magenta, Cat. No 15513-1-AP), CD31/PECAM-1 (white), and Arl13B (yellow, Cat. No 66739-1-Ig) with DAPI as a counterstain for visualizing the nucleus (cyan). cTnT stains cardiomyocytes and was visualized with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



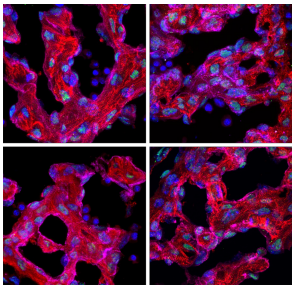
HepG2 cells were subjected to SDS PAGE followed by western blot with 66739-1-Ig (ARL13B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).



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).



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