For Research Use Only

CoraLite®647-conjugated ARL13B Polyclonal antibody

Catalog Number:CL647-17711 Featured Product

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Basic Information

Catalog Number:
CL647-17711

Size:
100UL , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG12015

GenBank Accession Number:
BC094725

GeneID (NCBI):
200894

Full Name:
ADP-ribosylation factor-like 13B

Calculated MW:
48 kDa

Observed MW:
40-48 kDa, 66 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
650 nm/665 nm

Applications

Tested Applications:
IF

Species Specificity:
human, mouse, rat, Canine

Positive Controls:

IF : MDCK cells,

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).This antibody detects two specific bands at 60 kDa and 48 kDa. 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).

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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
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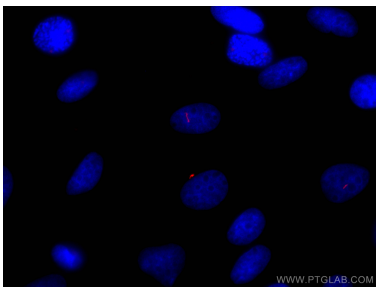
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MDCK cells using CoraLite®647-conjugated ARL13B antibody (CL647-17711) at dilution of 1:100.