

For Research Use Only

# CoraLite® Plus 488-conjugated ARL13B Polyclonal antibody

Catalog Number: CL488-30332



## Basic Information

Catalog Number:

CL488-30332

Size:

1000 µg/ml

Source:

Guinea Pig

Isotype:

IgG

Immunogen Catalog Number:

AG12015

GenBank Accession Number:

BC094725

GeneID (NCBI):

200894

UNIPROT ID:

Q3SXY8

Full Name:

ADP-ribosylation factor-like 13B

Calculated MW:

48 kDa

Observed MW:

48-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : hTERT-RPE1 cells, 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). The second antibody is used against guinea pigs.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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:

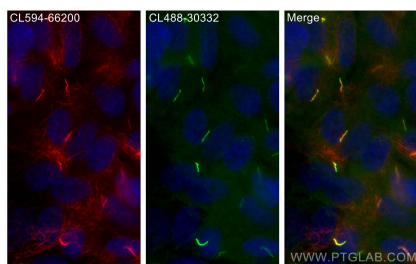
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

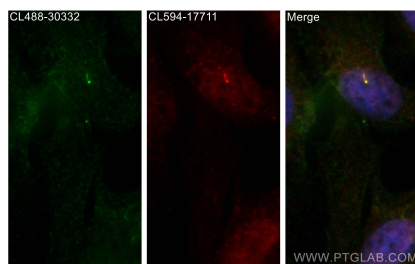
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using CoraLite® Plus 488 ARL13B antibody (CL488-30332) at dilution of 1:200, CoraLite® 594 Acetyl-Tubulin (Lys40) antibody (CL594-66200, Clone: 7E5H8, red).



Immunofluorescent analysis of (4% PFA) fixed MDCK cells using CoraLite® Plus 488 ARL13B antibody (CL488-30332) at dilution of 1:200, CoraLite® 594 ARL13B antibody (CL594-17711, red).