

For Research Use Only

# CoraLite® Plus 488-conjugated ARL13B Polyclonal antibody



Catalog Number:CL488-30332

## Basic Information

<b>Catalog Number:</b> CL488-30332	<b>GenBank Accession Number:</b> BC094725	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 200894	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Guinea Pig	<b>UNIPROT ID:</b> Q3SXY8	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> ADP-ribosylation factor-like 13B	
<b>Immunogen Catalog Number:</b> AG12015	<b>Calculated MW:</b> 48 kDa	
	<b>Observed MW:</b> 48-55 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : MDCK cells,
<b>Species Specificity:</b> Human	

## 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

**\*\*\* 20ul sizes contain 0.1%BSA**

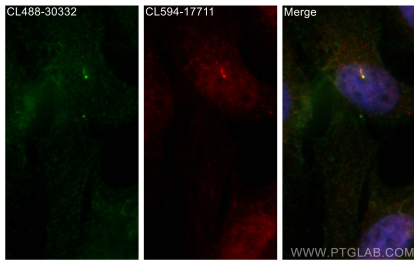
For technical support and original validation data for this product please contact:

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## Selected Validation Data



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