

For Research Use Only

# CoraLite® Plus 488-conjugated RAB33A Monoclonal antibody

Catalog Number:CL488-68389



## Basic Information

<b>Catalog Number:</b> CL488-68389	<b>GenBank Accession Number:</b> BC009996	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9363	<b>CloneNo.:</b> 1C7F11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q14088	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> RAB33A, member RAS oncogene family	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG33188	<b>Calculated MW:</b> 27 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : PC-12 cells,
<b>Species Specificity:</b> human, mouse, rat, pig, rabbit	

## Background Information

Ras-related protein Rab-33A (RAB33A) is also named as RABS10, and belongs to the small GTPase superfamily and the Rab family. RAB33A is an X-linked gene that is expressed in brain, lymphocytes, and normal melanocytes, but is downregulated in melanoma cells. In the brain, RAB33A is present throughout the cortex, as well as in the hippocampal CA fields (PMID:16810302). RAB33A is expressed in cells, including neurons, lymphocytes, melanocytes and parotid acinar cells (PMID:16810302, PMID:25871792). In cultured rat hippocampal neurons, RAB33A is localized to the Golgi apparatus and post-Golgi vesicles transported along axons (PMID:22972995). In addition, RAB33A interacts with singar1/RUFY3, which suppresses the formation of surplus axons in cultured hippocampal neurons (PMID:21737958, PMID:17439943).

## 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**

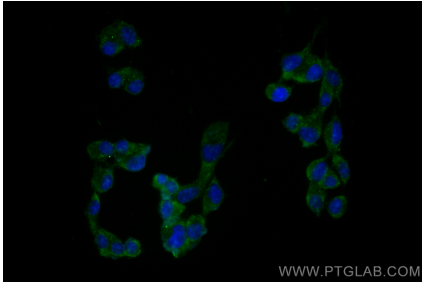
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using CoraLite® Plus 488 RAB33A antibody (CL488-68389, Clone: 1C7F11) at dilution of 1:200.