

For Research Use Only

# CoraLite® Plus 488-conjugated GNAI3 Monoclonal antibody



Catalog Number: CL488-68156

## Basic Information

<b>Catalog Number:</b> CL488-68156	<b>GenBank Accession Number:</b> BC025285	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 2773	<b>CloneNo.:</b> 1A9B6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P08754	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG32662	<b>Calculated MW:</b> 40 kDa	
	<b>Observed MW:</b> ~40 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> Human, Mouse, Rat	

## Background Information

GNAI3 is a member of the Gi group proteins, which belong to the G $\alpha$  protein family. GNAI3 is involved in several critical biological processes and regulates many cellular activities, including proliferation, differentiation, apoptosis, and migration. For example, GNAI3 can regulate a class of K<sup>+</sup> channels in response to hormone and neurotransmitter signals. In addition to its function as a downstream signal pathway switch for receptors on the plasma membrane, GNAI3 has also been shown to localize to the centrosome and affect cytokinesis. These indicate that GNAI3 has important receptor-independent functions. The molecular weight of GNAI3 is 40 kDa. (PMID: 25444921, 34803495)

## 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:

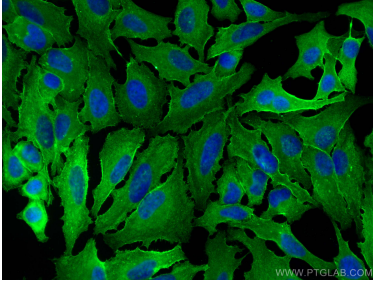
T: 4006900926

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 (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 GNA13 antibody (CL488-68156, Clone: 1A9B6) at dilution of 1:100.