

For Research Use Only

# CoraLite® Plus 488-conjugated GNAI2 Monoclonal antibody



Catalog Number: **CL488-67007**

## Basic Information

<b>Catalog Number:</b> CL488-67007	<b>GenBank Accession Number:</b> BC012138	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 2000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2771	<b>CloneNo.:</b> 3F6H5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P04899	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG28560	<b>Calculated MW:</b> 41 kDa	
	<b>Observed MW:</b> 35-40 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : A431 cells,
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

GNAI2, also named as GNAI2B, belongs to the G-alpha family. G(i/o/t/z) subfamily. Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(i) proteins are involved in hormonal regulation of adenylate cyclase: they inhibit the cyclase in response to beta-adrenergic stimuli. GNAI2 is 93% homolog to GNAI1, 94% to GNAI3, 85% to GNAT3, 82% to GNAT2.

## Storage

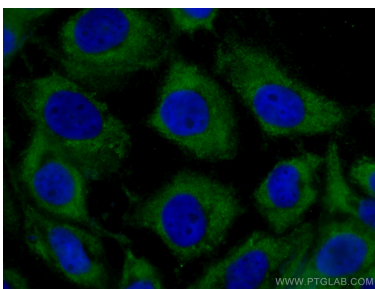
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using CL488-67007 (GNAI2 antibody) at dilution of 1:100.