

For Research Use Only

# CoraLite®594-conjugated GNAI2 Monoclonal antibody

Catalog Number: CL594-67007



## Basic Information

<b>Catalog Number:</b> CL594-67007	<b>GenBank Accession Number:</b> BC012138	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/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/ICC 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> 588 nm / 604 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/ICC	<b>Positive Controls:</b> IF/ICC : 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.

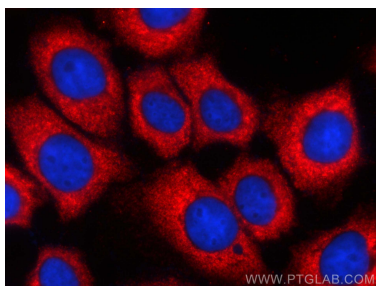
## Storage

**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

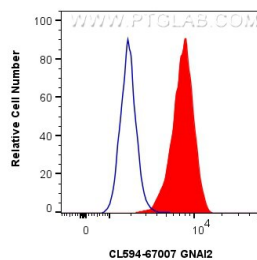
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected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



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Coralite@594 GNAI2 antibody (CL594-67007, Clone: 3F6H5 ) at dilution of 1:200.



1x10<sup>6</sup> U-937 cells were intracellularly stained with 0.4 ug Coralite@594-conjugated GNAI2 Monoclonal antibody (CL594-67007, Clone:3F6H5) (red), or 0.4 ug Coralite@594 Mouse IgG1 Isotype Control (1F8D3) (CL594-66360-1, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).