

For Research Use Only

# CoraLite® Plus 488-conjugated GNAI2 Monoclonal antibody



Catalog Number: **CL488-67007**

## Basic Information

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

## Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : A431 cells,
Species Specificity: 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:

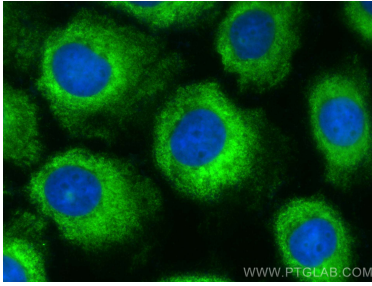
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CoraLite® Plus 488 GNAI2 antibody (CL488-67007, Clone: 3F6H5 ) at dilution of 1:200.