

For Research Use Only

CoraLite® Plus 488-conjugated GNAI3 Monoclonal antibody

Catalog Number: CL488-68156



Basic Information

Catalog Number: CL488-68156	GenBank Accession Number: BC025285	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2773	CloneNo.: 1A9B6
Source: Mouse	UNIPROT ID: P08754	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG32662	Calculated MW: 40 kDa	
	Observed MW: ~40 kDa	

Applications

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

Background Information

GNAI3 is a member of the Gi group proteins, which belong to the Gq 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⁺ 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)

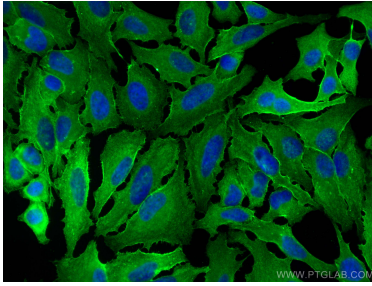
Storage

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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 Methanol) fixed HeLa cells using Coralite® Plus 488 GNAI3 antibody (CL488-68156, Clone: 1A9B6) at dilution of 1:100.