

For Research Use Only

GNAI3 Monoclonal antibody

Catalog Number: 68156-1-Ig



Basic Information

Catalog Number: 68156-1-Ig	GenBank Accession Number: BC025285	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2773	CloneNo.: 1A9B6
Source: Mouse	Full Name: guanine nucleotide binding protein (GWB 1:5000-1:50000 protein), alpha inhibiting activity polypeptide 3	Recommended Dilutions: IF 1:400-1:1600
Isotype: IgG1	Calculated MW: 40 kDa	
Immunogen Catalog Number: AG32662	Observed MW: ~40 kDa	

Applications

Tested Applications:
IF, WB, ELISA

Species Specificity:
Human, Mouse, Rat

Positive Controls:

WB : A549 cells, LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

IF : HeLa cells,

Background Information

GNAI3 is a member of the Gi group proteins, which belong to the Gα 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. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

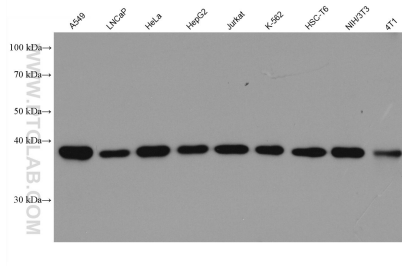
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

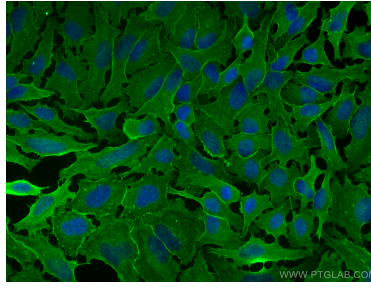
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68156-1-Ig (GNAI3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using GNAI3 antibody (68156-1-Ig, Clone: 1A9B6) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).