

For Research Use Only

GNAI3 Monoclonal antibody, PBS Only



Catalog Number: 68156-1-PBS

Basic Information

Catalog Number: 68156-1-PBS	GenBank Accession Number: BC025285	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2773	CloneNo.: 1A9B6
Source: Mouse	UNIPROT ID: P08754	
Isotype: IgG1	Full Name: guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	
Immunogen Catalog Number: AG32662	Calculated MW: 40 kDa	
	Observed MW: ~40 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

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

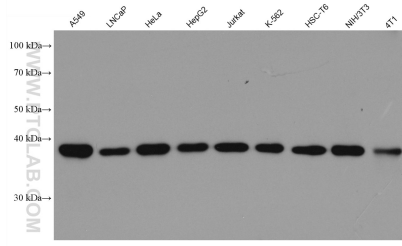
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

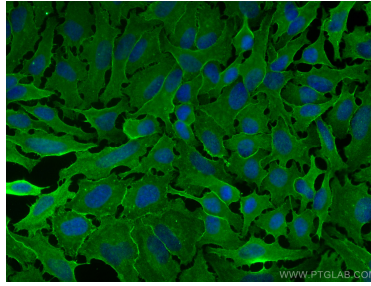
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



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. This data was developed using the same antibody clone with 68156-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68156-1-PBS in a different storage buffer formulation.