

# 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:	1 mg/ml	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, Indirect ELISA, IF

Species Specificity:  
Human, Mouse, Rat

## Background Information

GNAI3 is a member of the Gi group proteins, which belong to the G $\alpha$  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<sup>+</sup> 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.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

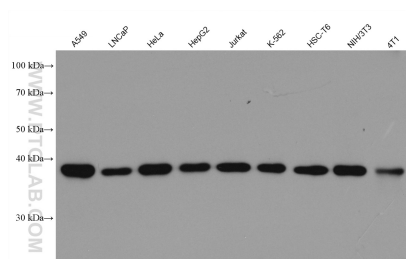
For technical support and original validation data for this product please contact:

T: 4006900926

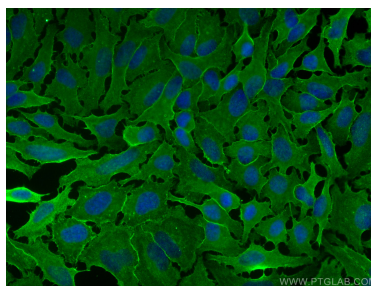
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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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.