

For Research Use Only

GNAI3 Recombinant monoclonal antibody

Catalog Number: 88438-1-RR



Basic Information

Catalog Number: 88438-1-RR	GenBank Accession Number: BC025285	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 2773	CloneNo.: 261052B5
Isotype: IgG	UNIPROT ID: P08754	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG2229	Full Name: guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	
	Calculated MW: 40 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HeLa cells, HEK-293 cells, U-937 cells, A431 cell, mouse kidney tissue, mouse brain tissue
	IF/ICC : HeLa cells,

Background Information

GNAI3 is a member of the Gi group proteins, which belong to the G α 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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

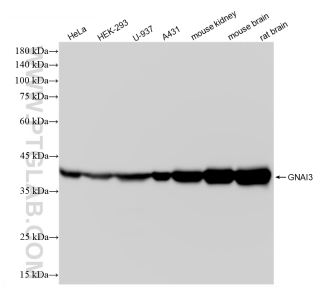
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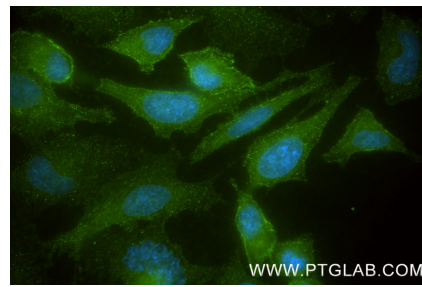
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88438-1-RR (GNAI3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using GNAI3 antibody (88438-1-RR, Clone: 261052B5) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).