

For Research Use Only

GNAI3 Recombinant monoclonal antibody

Catalog Number: 88438-2-RR



Basic Information

Catalog Number: 88438-2-RR	GenBank Accession Number: BC025285	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2773	CloneNo.: 261052A7
Source: Rabbit	UNIPROT ID: P08754	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	
Immunogen Catalog Number: AG2229	Calculated MW: 40 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, mouse brain tissue, rat brain tissue
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

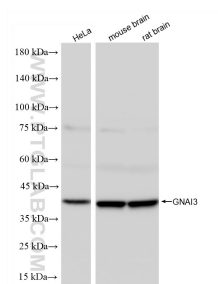
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88438-2-RR (GNAI3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.