

For Research Use Only

GNAI3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88438-2-PBS



Basic Information

Catalog Number:

88438-2-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2229

GenBank Accession Number:

BC025285

GeneID (NCBI):

2773

UNIPROT ID:

P08754

Full Name:

guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3

Calculated MW:

40 kDa

Observed MW:

40 kDa

Purification Method:

Protein A purification

CloneNo.:

261052A7

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

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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 88438-2-RR (GNAI3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88438-2-PBS in a different storage buffer formulation.