

For Research Use Only

GNAI3 Recombinant monoclonal antibody

Catalog Number: 88438-2-RR



Basic Information

Catalog Number:

88438-2-RR

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

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, mouse brain tissue, rat brain tissue

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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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.