

GNAI2 Monoclonal antibody

Catalog Number: 67007-1-Ig

1 Publications

Basic Information

Catalog Number:

67007-1-Ig

Size:

2100 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28560

GenBank Accession Number:

BC012138

GeneID (NCBI):

2771

UNIPROT ID:

P04899

Full Name:

guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2

Calculated MW:

41 kDa

Observed MW:

35-40 kDa

Purification Method:

Protein A purification

CloneNo.:

3F6H5

Recommended Dilutions:

WB 1:2000-1:6000

IF/ICC 1:50-1:500

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, rat

Cited Species:

rabbit

Positive Controls:

WB : HL-60 cells, U-937 cells, C6 cells, RAW 264.7 cells

IF/ICC : A431 cells,

Background Information

GNAI2, also named as GNAI2B, belongs to the G-alpha family. G(i/o/t/z) subfamily. Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(i) proteins are involved in hormonal regulation of adenylate cyclase: they inhibit the cyclase in response to beta-adrenergic stimuli. GNAI2 is 93% homolog to GNAI1, 94% to GNAI3, 85% to GNAT3, 82% to GNAT2.

Notable Publications

Author	Pubmed ID	Journal	Application
Shuaishuai Hu	34440304	Genes (Basel)	WB

Storage

Storage:

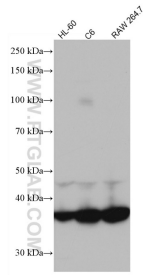
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

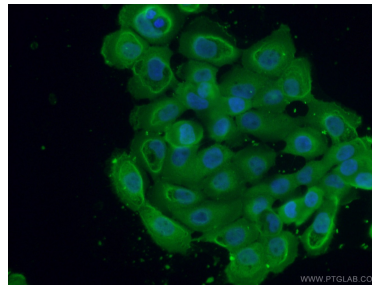
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67007-1-Ig (GNAI2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using 67007-1-Ig (GNAI2 antibody) at dilution of 1:100 and Coralite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).