

For Research Use Only

GNAI3 Monoclonal antibody

Catalog Number: 68156-1-Ig



Basic Information

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|---|--|---|
| Catalog Number: 68156-1-Ig | GenBank Accession Number: BC025285 | Purification Method: Protein A purification |
| Size: 1000 µg/ml | GeneID (NCBI): 2773 | CloneNo.: 1A9B6 |
| Source: Mouse | UNIPROT ID: P08754 | Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:400-1:1600 |
| Isotype: IgG1 | Full Name: guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 | |
| Immunogen Catalog Number: AG32662 | Calculated MW: 40 kDa | |
| | Observed MW: ~40 kDa | |

Applications

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| Tested Applications: IF/ICC, WB, ELISA | Positive Controls: |
| Species Specificity: Human, Mouse, Rat | WB: A549 cells, LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells |
| | 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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

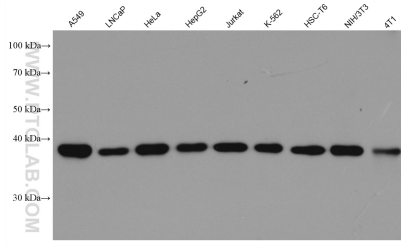
T: 4006900926

E: Proteintech-CN@ptglab.com

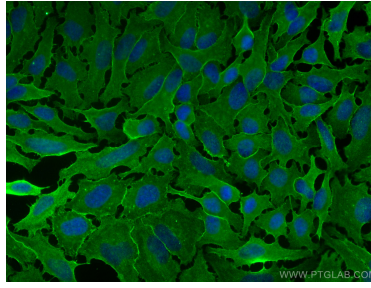
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68156-1-Ig (GNAI3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using GNAI3 antibody (68156-1-Ig, Clone: 1A9B6) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).