

**GNG3 Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22128b**

**Specification**

---

**GNG3 Antibody (C-Term) - Product Information**

|                   |   |
|-------------------|---|
| Application       | <b>WB, FC,E</b>                                 |
| Primary Accession | <a href="#">P63215</a>                          |
| Other Accession   | <a href="#">P63214</a> , <a href="#">P63216</a> |
| Reactivity        | <b>Human, Mouse</b>                             |
| Predicted         | <b>Bovine</b>                                   |
| Host              | <b>Rabbit</b>                                   |
| Clonality         | <b>polyclonal</b>                               |
| Isotype           | <b>Rabbit IgG</b>                               |
| Calculated MW     | <b>8305</b>                                     |

**GNG3 Antibody (C-Term) - Additional Information**

**Gene ID** 2785

**Other Names**

Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3, GNG3, GNGT3

**Target/Specificity**

This GNG3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 39-69 amino acids from human GNG3.

**Dilution**

WB~~1:2000

FC~~1:25

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GNG3 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GNG3 Antibody (C-Term) - Protein Information**

**Name** GNG3

**Synonyms** GNGT3

**Function** Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.

#### Cellular Location

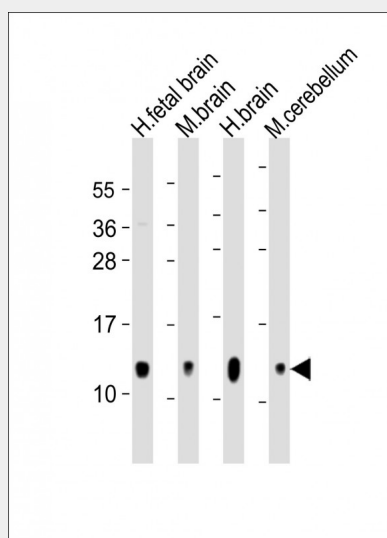
Cell membrane; Lipid-anchor; Cytoplasmic side

#### GNG3 Antibody (C-Term) - Protocols

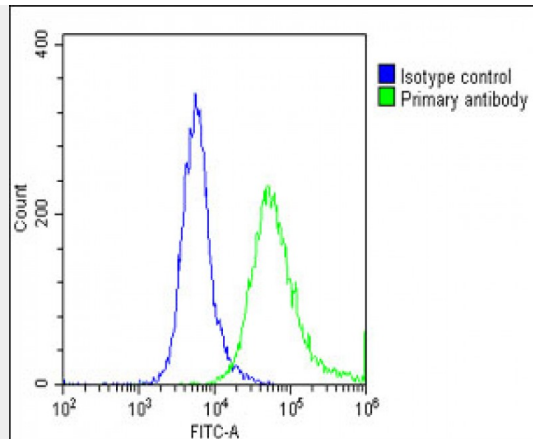
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### GNG3 Antibody (C-Term) - Images



All lanes : Anti-GNG3 Antibody (C-Term) at 1:2000 dilution Lane 1: human fetal brain lysate Lane 2: mouse brain lysate Lane 3: human brain lysate Lane 4: mouse cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 8 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



Overlay histogram showing U-87 MG cells stained with AP22128b (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22128b, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

### **GNG3 Antibody (C-Term) - Background**

Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.

### **GNG3 Antibody (C-Term) - References**

- Peng Y., et al. Submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.
- Hurowitz E.H., et al. DNA Res. 7:111-120(2000).
- Ding J.B., et al. Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
- Puhl H.L. III, et al. Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
- Ota T., et al. Nat. Genet. 36:40-45(2004).