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GNG3 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22128b

Specification

GNG3 Antibody (C-Term) - Product Information

Application	**WB, FC,E**
Primary Accession	P63215
Other Accession	P63214, P63216
Reactivity	**Human, Mouse**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**8305**

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
E~~Use at an assay dependent concentration.

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.

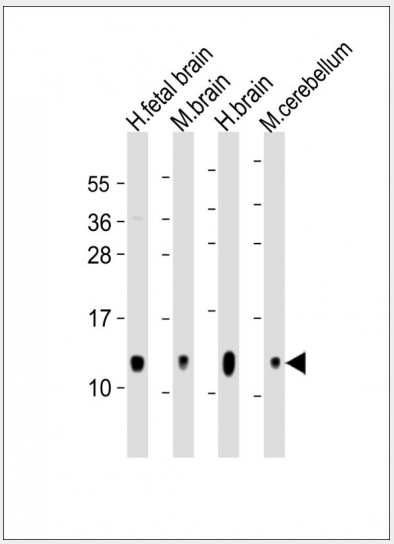
Cellular Location
Cell membrane; Lipid-anchor; Cytoplasmic side

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 Cytomety
- 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% NFDM/TBST.

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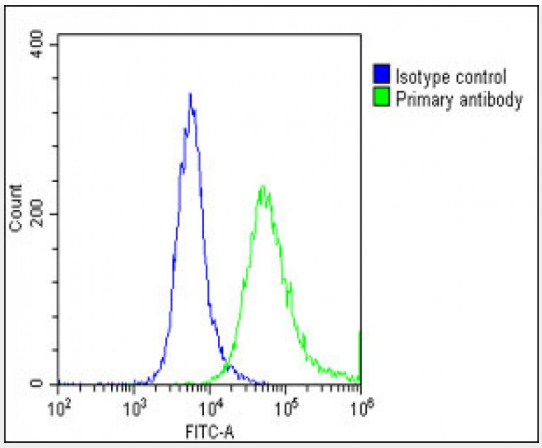

Overlay histogram showing U-87 MG cells stained with AP22128b(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by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