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GNG3 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22128b

Product Information

Application	WB, FC, E
Primary Accession	P63215
Other Accession	P63214, P63216
Reactivity	Human, Mouse
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55899
Calculated MW	8305

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.

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

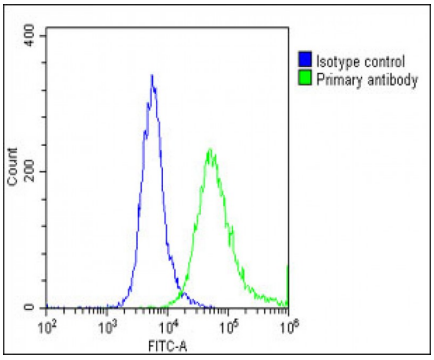
Background

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.

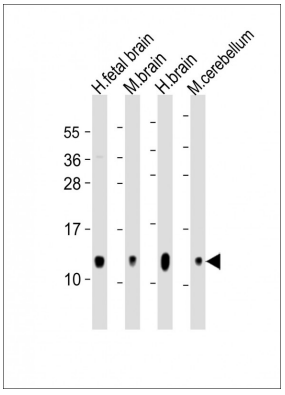
References

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).

Images



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.



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.