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Datasheet for ABIN6242848

## anti-GNG3 antibody (AA 39-69)

### 2 Images

#### Overview

Quantity:	200 µL
Target:	GNG3
Binding Specificity:	AA 39-69
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNG3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

#### Product Details

Immunogen:	This GNG3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 39-69 amino acids from human GNG3.
Clone:	RB55899
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Target Details

Target:	GNG3
Alternative Name:	GNG3 ( <a href="#">GNG3 Products</a> )

## Target Details

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.
Molecular Weight:	8305
UniProt:	<a href="#">P63215</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a>

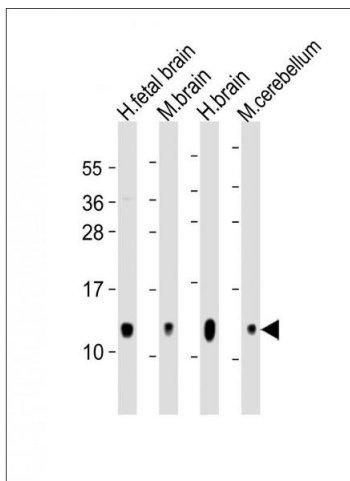
## Application Details

Application Notes:	WB: 1:2000. FC: 1:25
Restrictions:	For Research Use only

## Handling

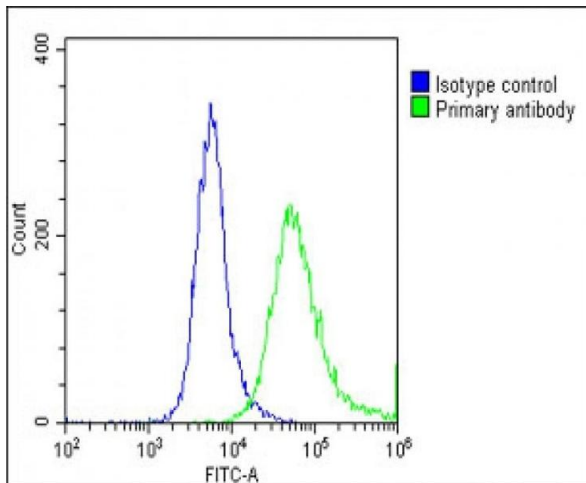
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

## Images



### Western Blotting

**Image 1.** 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 % NFDN/TBST.



### Flow Cytometry

**Image 2.** Overlay histogram showing U-87 MG cells stained with (ABIN6242848 and ABIN6578683)(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 ((ABIN6242848 and ABIN6578683), 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  $\mu$ g/ $1 \times 10^6$  cells) used under the same conditions. Acquisition of >10,000 events was performed.