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Datasheet for ABIN5003721

anti-GNG5 antibody (AA 21-65) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	GNG5
Binding Specificity:	AA 21-65
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNG5 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GNG5
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GNG5
Alternative Name:	GNG5 (GNG5 Products)

Target Details

Background: Synonyms: FLJ92393, GBG5_HUMAN, Gng5, Guanine nucleotide-binding protein GI/GS/GO subunit gamma-5, OTTHUMP00000011474, OTTHUMP00000011565.

Background: Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors. Each of a very broad range of receptors specifically detects an extracellular stimulus (i.e. a photon, pheromone, odorant, hormone or neurotransmitter), while the effectors (e.g. adenylyl cyclase), which act to generate one or more intracellular messengers, are less numerous. In mammals, G protein alpha, beta and gamma polypeptides are encoded by at least 16, 4 and 7 genes, respectively. Most interest in G proteins has been focused on their alpha subunits, since these proteins bind and hydrolyze GTP and most obviously regulate the activity of the best studied effectors. Evidence, however, has established an important regulatory role for the beta gamma subunits. It is becoming increasingly clear that different G protein complexes expressed in different tissues carry structurally distinct members of the gamma as well as the alpha and beta subunits, and that preferential associations between members of subunit families increase G protein functional diversity.

Gene ID: 2787

Pathways: [Myometrial Relaxation and Contraction](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months