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Datasheet for ABIN1695050

## anti-GNG5 antibody (AA 21-65) (AbBy Fluor® 488)

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | GNG5  |
| Binding Specificity: | AA 21-65  |
| Reactivity:          | Rat   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This GNG5 antibody is conjugated to AbBy Fluor® 488   |
| Application:         | Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)) |

### 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 ( <a href="#">GNG5 Products</a> ) |

## Target Details

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|             |   |
|-------------|---|
| Background: | <p>Synonyms: FLJ92393, GBG5_HUMAN, Gng5, Guanine nucleotide-binding protein GI/GS/GO subunit gamma-5, OTTHUMP00000011474, OTTHUMP00000011565.</p> <p>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.</p> |
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| Gene ID: | 2787 |
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| Pathways: | <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">SARS-CoV-2 Protein Interactome</a> |
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## Application Details

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| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
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|---------------|-----------------------|
| Restrictions: | For Research Use only |
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## Handling

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|         |        |
|---------|--------|
| Format: | Liquid |
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|                |         |
|----------------|---------|
| Concentration: | 1 µg/µL |
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| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
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|               |         |
|---------------|---------|
| Preservative: | ProClin |
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| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
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| Storage: | -20 °C |
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## Handling

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

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Expiry Date: 12 months