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## Datasheet for ABIN686422 **anti-GNAI3 antibody (AA 241-354)**

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | GNAI3   |
| Binding Specificity: | AA 241-354  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This GNAI3 antibody is un-conjugated  |
| Application:         | ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human GNAI3 |
| Isotype:              | IgG   |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Pig, Horse, Chicken          |
| Purification:         | Purified by Protein A.                                    |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | GNAI3                                    |
| Alternative Name: | GNAI3 ( <a href="#">GNAI3 Products</a> ) |

## Target Details

|             |   |
|-------------|---|
| Background: | <p>Synonyms: GAI3, 87U6, FLJ26559, G protein alpha inhibiting 3, Gi alpha 3, Gi alpha-3, GNAI3, GNAI3_HUMAN, Guanine nucleotide binding protein G protein alpha inhibiting activity polypeptide 3, Guanine nucleotide binding protein Gk alpha subunit, Guanine nucleotide-binding protein Gk subunit alpha, OTTHUMP00000013368, Gnai3, Guanine nucleotide binding protein G protein, alpha inhibiting 3, G Alpha i-3.</p> <p>Background: GAI3 is the a subunit of inhibitory trimeric G protein (Gi), which inhibits adenylate cyclase once its G protein coupled receptors (GPCR) such as a2 adrenergic receptors are activated. GAI3 can be inactivated by pertussis toxin. Guanine nucleotide binding proteins are involved as modulators or transducers in various transmembrane signaling systems. G(k) is the stimulatory G protein of receptor regulated K(+) channels.</p> |
| Gene ID:    | 2773  |
| Pathways:   | <a href="#">cAMP Metabolic Process</a> , <a href="#">G-protein mediated Events</a>  |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions:      | For Research Use only   |

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 µg/µL  |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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:           | 4 °C,-20 °C  |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |

## Handling

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Expiry Date: 12 months