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Datasheet for ABIN686425  
**anti-GNAI3 antibody (AA 241-354) (Cy3)**

### Overview

Quantity:	100 µL
Target:	GNAI3
Binding Specificity:	AA 241-354
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAI3 antibody is conjugated to Cy3
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### 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> )
Background:	Synonyms: GAI3, 87U6, FLJ26559, G protein alpha inhibiting 3, Gi alpha 3, Gi alpha-3, GNAI3,

## Target Details

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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.

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.

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Gene ID: 2773

Pathways: [cAMP Metabolic Process](#), [G-protein mediated Events](#)

## Application Details

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

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Restrictions: For Research Use only

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

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Expiry Date: 12 months