

Datasheet for ABIN686431

anti-GNAI3 antibody (AA 241-354) (HRP)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	GNAI3
Binding Specificity:	AA 241-354
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAI3 antibody is conjugated to HRP
Application:	ELISA, 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 (GNAI3 Products)
Background:	Synonyms: GAI3, 87U6, FLJ26559, G protein alpha inhibiting 3, Gi alpha 3, Gi alpha-3, GNAI3,

Target Details

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.

Gene ID:	2773
Pathways:	cAMP Metabolic Process , G-protein mediated Events

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
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.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months