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Datasheet for ABIN1696066

**anti-GNA13 antibody (AA 21-120) (Alexa Fluor 488)**

## Overview

Quantity:	100 µL
Target:	GNA13
Binding Specificity:	AA 21-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNA13 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human G protein alpha 13
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	GNA13
Alternative Name:	G protein alpha 13 ( <a href="#">GNA13 Products</a> )
Background:	Synonyms: G alpha 13, GNA13, Guanine nucleotide binding protein alpha 13 subunit,

## Target Details

GNA13\_HUMAN.

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 (a photon, pheromone, odorant, hormone or neurotransmitter) while the effectors (i.e., 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. Four distinct classes of G Alpha subunits have been identified, these include G Alpha s, G Alpha i, G Alpha q and G Alpha 12/13. The two members of the fourth class of G Alpha subunit proteins, G Alpha 12 and G Alpha 13, are insensitive to ADP-ribosylation by pertussis toxin, share 67 % identity with each other and less than 45 % identity with other G Alpha subunits and are widely expressed in a broad range of tissues.

Gene ID: 10672

Pathways: [CXCR4-mediated Signaling Events](#)

## 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

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

## Handling

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Expiry Date: 12 months