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Datasheet for ABIN1386650 **anti-GNAL antibody (AA 21-130)**

Overview

Quantity:	100 µL
Target:	GNAL
Binding Specificity:	AA 21-130
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GNAL
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GNAL
Alternative Name:	GNAL (GNAL Products)

Target Details

Background:	<p>Synonyms: Adenylate cyclase stimulating G alpha protein, olfactory type, Adenylate cyclase stimulating G alpha protein, olfactory type, Adenylate cyclase-stimulating G alpha protein, Gnal, GNAL_HUMAN, Guanine nucleotide binding protein G protein, alpha activating activity polypeptide, olfactory type, Guanine nucleotide binding protein G protein, alpha stimulating activity polypeptide, olfactory type, Guanine nucleotide binding protein Golf subunit alpha, Guanine nucleotide-binding protein Golf subunit alpha, olfactory type.</p> <p>Background: Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors (1). Each of a very broad range of receptors specifically detects an extracellular stimulus (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 (2-5). 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. More recent evidence, however, has established an important regulatory role for the beta gamma subunits (6-8). The Gs subfamily of G alpha subunits includes two closely related proteins, Ga s and Ga olf, which respectively stimulate adenylate cyclase and mediate response to olfactory stimuli (9).</p>
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Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

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.
Expiry Date:	12 months