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anti-GNAT1 antibody (Internal Region)





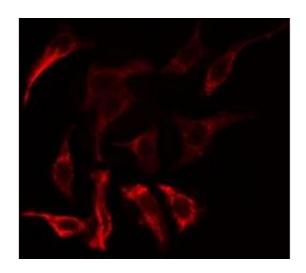


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Overview	
Quantity:	100 μL
Target:	GNAT1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human GNAT1, corresponding to a region within the
	internal amino acids.
Isotype:	IgG
Specificity:	GNAT1 Antibody detects endogenous levels of total GNAT1.
Predicted Reactivity:	Zebrafish,Bovine,Horse,Sheep,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling
	Resin (Thermo Fisher Scientific).
Target Details	
Target:	GNAT1

Target Details

Alternative Name:	GNAT1 (GNAT1 Products)
Background:	Description: Functions as signal transducer for the rod photoreceptor RHO. Required for norma
	RHO-mediated light perception by the retina (PubMed:22190596). Guanine nucleotide-binding
	proteins (G proteins) function as transducers downstream of G protein-coupled receptors
	(GPCRs), such as the photoreceptor RHO. The alpha chain contains the guanine nucleotide
	binding site and alternates between an active, GTP-bound state and an inactive, GDP-bound
	state. Activated RHO promotes GDP release and GTP binding. Signaling is mediated via
	downstream effector proteins, such as cGMP-phosphodiesterase (By similarity).
	Gene: GNAT1
Molecular Weight:	36 kDa
Gene ID:	2779
UniProt:	P11488
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, G-protein mediated Events,
	Phototransduction
Application Details	
Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %
	glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



Immunofluorescence (fixed cells)

Image 1. ABIN6275177 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod