Datasheet for ABIN653740

anti-GNAT1 antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	GNAT1
Binding Specificity:	AA 290-318, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This GNAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 290-318 amino acids from the C-terminal region of human GNAT1.
Clone:	RB24620
Isotype:	Ig Fraction
Predicted Reactivity:	M, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GNAT1

Target Details

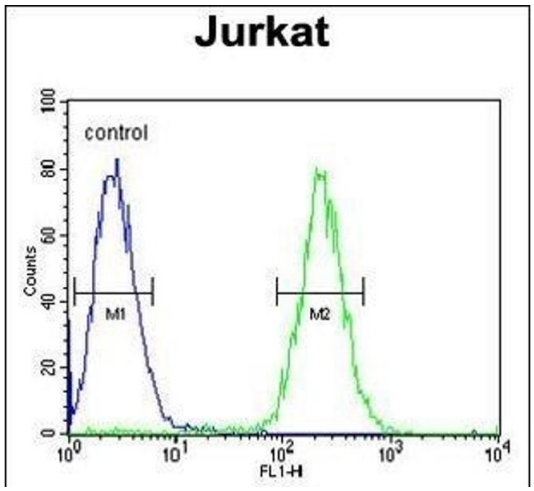
Alternative Name:	GNAT1 (GNAT1 Products)
Background:	Transducin is a 3-subunit guanine nucleotide-binding protein (G protein) which stimulates the coupling of rhodopsin and cGMP-phoshodiesterase during visual impulses. The transducin alpha subunits in rods and cones are encoded by separate genes. This gene encodes the alpha subunit in rods. This gene is also expressed in other cells, and has been implicated in bitter taste transduction in rat taste cells.
Molecular Weight:	40041
Gene ID:	2779
NCBI Accession:	NP_000163, NP_653082
UniProt:	P11488
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, G-protein mediated Events, Phototransduction

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

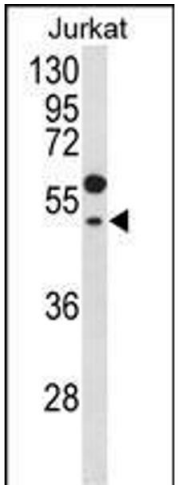
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



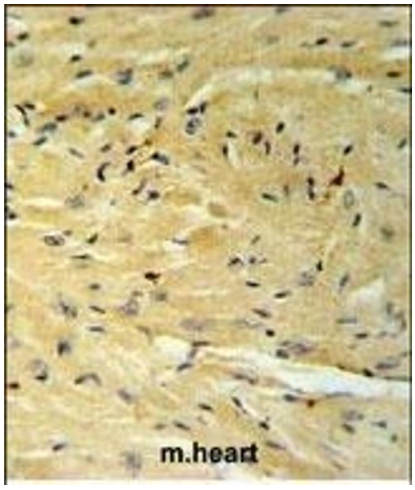
Flow Cytometry

Image 1. GNAT1 Antibody (C-term) (ABIN653740 and ABIN2843042) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of GNAT1 Antibody (C-term) (ABIN653740 and ABIN2843042) in Jurkat cell line lysates (35 µg/lane). GNAT1 (arrow) was detected using the purified Pab.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. GNAT1 Antibody (C-term) (ABIN653740 and ABIN2843042) IHC analysis in formalin fixed and paraffin embedded moouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GNAT1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.