Immunotag™ GNAT1 Antibody

Antibody Specification

Catalog No.	ITA4988
Product Description	Immunotag™ GNAT1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	GNAT1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	GNAT1 Antibody detects endogenous levels of total GNAT1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	GNAT1
Accession No.	P11488
Alternate Names	CSNBAD3; GBT1; GNAT1; GNAT1_HUMAN; GNATR; guanine nucleotide binding protein (G protein) alpha transducing activity polypeptide 1; guanine nucleotide binding protein G(T) alpha 1 subunit; Guanine nucleotide-binding protein G(t) subunit alpha-1; Rod specific transducin; rod-type transducin alpha subunit; Transducin alpha-1 chain; transducin, rod-specific;

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Description	Functions as signal transducer for the rod photoreceptor RHO. Required for normal 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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	36 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.