

## ARG66575 anti-GNAT1 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes GNAT1
Tested Reactivity	Hu, Ms
Tested Application	IHC-Fr, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GNAT1
Species	Human
Immunogen	Synthetic peptide between aa. 40-120 of Human GNAT1.
Conjugation	Un-conjugated
Alternate Names	GBT1; GNATR; CSNB1G; CSNBAD3; Guanine nucleotide-binding protein G(t) subunit alpha-1; Transducin alpha-1 chain

### Application Instructions

Application table	Application	Dilution
	IHC-Fr	Assay-dependent
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

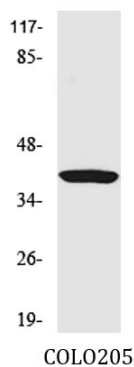
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GNAT1
Gene Full Name	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1
Background	Transducin is a 3-subunit guanine nucleotide-binding protein (G protein) which stimulates the coupling of rhodopsin and cGMP-phosphodiesterase 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. Mutations in this gene result in autosomal dominant congenital stationary night blindness. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Feb 2009]
Function	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Transducin is an amplifier and one of the transducers of a visual impulse that performs the coupling between rhodopsin and cGMP-phosphodiesterase. [UniProt]
Calculated Mw	40 kDa
Cellular Localization	Cell projection, cilium, photoreceptor outer segment. Membrane; Peripheral membrane protein. [UniProt]

Images



ARG66575 anti-GNAT1 antibody WB image

Western blot: COLO205 cell lysate stained with ARG66575 anti-GNAT1 antibody at 1:2000 dilution.