

Rabbit anti-Human, Mouse GNAT2 Polyclonal Antibody | anti-GNAT2 antibody

GNAT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324776	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

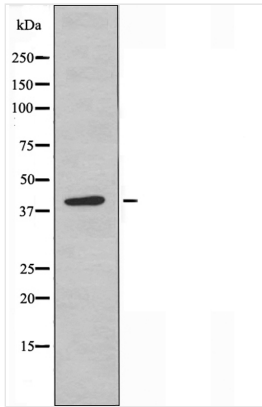
PRODUCT SYNONYMS

GNAT2; Polyclonal Antibody; GNAT2 Antibody; ACHM4; Cone type transducin alpha subunit; GNAT 2; GNAT C; Gnat2; GNAT2_HUMAN; GNATC; Guanine nucleotide binding protein (G protein) alpha transducing activity polypeptide 2; Guanine nucleotide binding protein G t subunit alpha 2; Guanine nucleotide-binding protein G(t) subunit alpha-2; Transducin alpha 2; Transducin alpha-2 chain; Transducin alpha2; Transducin cone specific alpha polypeptide; anti-GNAT2 antibody

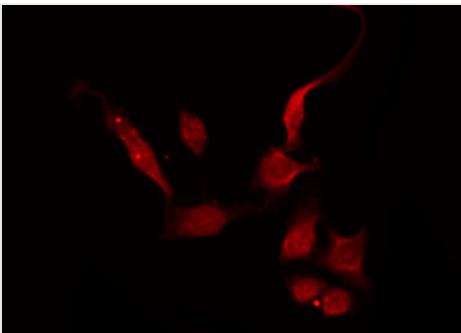
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	GNAT2 antibody detects endogenous levels of total GNAT2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	354
Applicable Applications for anti-GNAT2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Retinal rod outer segment.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Zebrafish (91%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from COLO cells, using GNAT2 antibody.



IF (Immunofluorescence)
AAA324776 staining COLO205 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 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GNAT2 antibody	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. Subunit Structure: G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site. Similarity: Belongs to the G-alpha family. G(i/o/t/z) subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20330805
NCBI GeneID	2780
NCBI Accession #	NP_005263.1
NCBI GenBank Nucleotide #	NM_005272.3
UniProt Accession #	P19087
Molecular Weight	Observed: 40 kD Predicted: 41 kDa
NCBI Official Full Name	guanine nucleotide-binding protein G(t) subunit alpha-2
NCBI Official Synonym Full Names	G protein subunit alpha transducin 2
NCBI Official Symbol	GNAT2
NCBI Official Synonym Symbols	ACHM4; GNATC
NCBI Protein Information	guanine nucleotide-binding protein G(t) subunit alpha-2
UniProt Protein Name	Guanine nucleotide-binding protein G(t) subunit alpha-2
UniProt Gene Name	GNAT2
UniProt Synonym Gene Names	GNATC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.