

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

GNAT2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287993	Rabbit	Human, mouse	Western Blot, Immunohistochemistry, ELISA

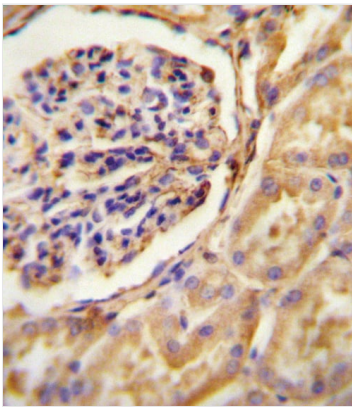
PRODUCT SYNONYMS

GNAT2; Polyclonal Antibody; GNAT2 Antibody (Center); Guanine nucleotide-binding protein G(t) subunit alpha-2; Transducin alpha-2 chain; GNATC; anti-GNAT2 antibody

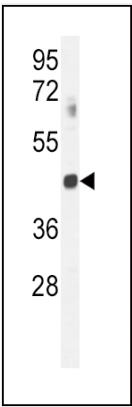
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GNAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-169 amino acids from the Central region of human GNAT2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	140-169
Sequence Length	354
Applicable Applications for anti-GNAT2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
GNAT2 antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human Kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GNAT2 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
GNAT2 Antibody (Center) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the GNAT2 antibody detected the GNAT2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GNAT2 antibody	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 cones.
Product Categories/Family for anti-GNAT2 antibody	Neuroscience; Signal Transduction
References	Shi, J., et al. Mol. Psychiatry (2010) In press : Thiadens, A.A., et al. Ophthalmology 116(10):1984-1989(2009) Luttrell, L.M. Mol. Biotechnol. 39(3):239-264(2008) Oldham, W.M., et al. Nat. Struct. Mol. Biol. 13(9):772-777(2006) Rosenberg, T., et al. Invest. Ophthalmol. Vis. Sci. 45(12):4256-4262(2004)

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	40176
NCBI Official Full Name	guanine nucleotide-binding protein G(t) subunit alpha-2
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 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
UniProt Entry Name	GNAT2_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gnat2-antibody-western-blot-immunohistochemistry-elisa/287993>