

Rabbit GNA15 Polyclonal Antibody | anti-GNA15 antibody

GNA15 Antibody

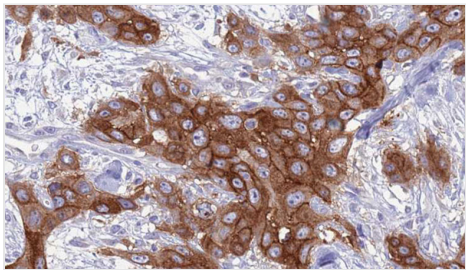
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326566	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

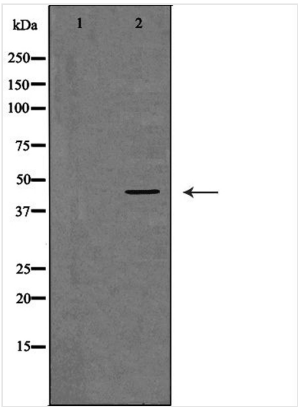
GNA15; Polyclonal Antibody; GNA15 Antibody; G alpha 15; G alpha 16; G alpha-15; G alpha-16; G-protein subunit alpha-15; G-protein subunit alpha-16; GNA 15; GNA 16; GNA15_HUMAN; GNA16; Gq class; Guanine nucleotide binding protein alpha 15; Guanine nucleotide binding protein alpha 15 subunit; Guanine nucleotide-binding protein subunit alpha-15; Guanine nucleotide-binding protein subunit alpha-16; anti-GNA15 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GNA15 antibody detects endogenous levels of total GNA15
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	374
Applicable Applications for anti-GNA15 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GNA15
Tissue Specificity	Specifically expressed in hematopoietic cells. Expressed in epididymis (at protein level).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326566 at 1/100 staining Human Head and neck cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of mouse heart tissue, using GNA15 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GNA15 antibody	Description: Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors (1). Each of a very broad range of receptors specifically detects an extracellular stimulus (a photon, pheromone, odorant, hormone or neurotransmitter) while the effectors (i.e., adenylyl cyclase), which act to generate one or more intracellular messengers, are less numerous. In mammals, G protein α, β and γ polypeptides are encoded by at least 16, 4 and 7 genes, respectively (2-5). Most interest in G proteins has been focused on their α subunits, since these proteins bind and hydrolyze GTP and most obviously regulate the activity of the best studied effectors. Four distinct classes of Gα subunits have been identified; these include Gs, Gi, Gq and Ga 12/13 (3, 4). The Gi class comprises all the known α subunits that are susceptible to pertussis toxin modifications, including Ga i-1, Ga i-2, Ga i-3, Ga o, Ga t1, Ga t2, Ga z and Ga gust (4). Of these, the three Ga i subtypes function to open atrial potassium channels (6). Ga 16 is a member of the Gq subfamily and is expressed specifically in hematopoietic cells (7). Function: Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. 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(q) subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	597709771
NCBI GeneID	2769
NCBI Accession #	NP_002059.3
NCBI GenBank Nucleotide #	NM_002068.3
UniProt Accession #	P30679; O75247; Q53XK2; E9KL40; E9KL47
Molecular Weight	Observed: 44 kDa Predicted: 44 kDa
NCBI Official Full Name	guanine nucleotide-binding protein subunit alpha-15
NCBI Official Synonym Full Names	G protein subunit alpha 15
NCBI Official Symbol	GNA15
NCBI Official Synonym Symbols	GNA16
NCBI Protein Information	guanine nucleotide-binding protein subunit alpha-15
UniProt Protein Name	Guanine nucleotide-binding protein subunit alpha-15

UniProt Gene Name	GNA15
UniProt Synonym Gene Names	GNA16; G alpha-15; G-protein subunit alpha-15; G alpha-16; G-protein subunit alpha-16

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/gna15-antibody-immunohistochemistry-western-blot-elisa/326566>