

Rabbit G PROTEIN ALPHA 0 Polyclonal Antibody | anti-Gnao1 antibody

RABBIT ANTI MOUSE G PROTEIN ALPHA 0

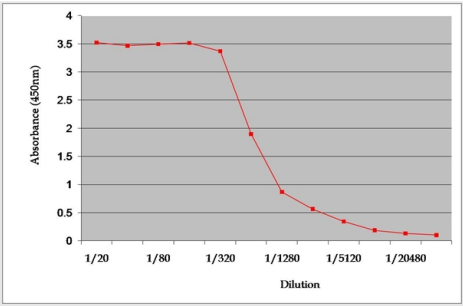
CATALOG # AAA49880	HOST Rabbit	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

G PROTEIN ALPHA 0; Polyclonal Antibody; RABBIT ANTI MOUSE G PROTEIN ALPHA 0; anti-Gnao1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Specificity	Rabbit anti Mouse G Protein alpha 0 antibody recognizes the alpha subunit of murine Guanine nucleotide-binding protein G(o). Guanine nucleotide-binding protein G(o) is a 354 amino acid membrane associated protein of ~40 kDa forming a heterotrimeric protein complex with B and Y subunits. Two isoforms of the alpha subunit are generated by alternative splicing with a single amino acid substitution in the immunogen sequence (a lysine for an asparagine at position 346), it is not known whether this substitution affects the binding to isoform 2. Rabbit anti Mouse G Protein alpha 0 antibody has been used successfully for the detection of G(o) in Drosophila by western blotting (Guo et al. 2011).
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 5.0 mg/ml (varies by lot)
Sequence Length	354
Applicable Applications for anti-Gnao1 antibody	WB (Western Blot), ELISA
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Immunogen	Synthetic peptide corresponding to the amino acids 345 - 354 (C-ANNLRGCGLY) of the native isoform 1 molecule conjugated to Keyhole Limpet Haemocyanin.
Species Cross Reactivity	Reacts with: Drosophila N.B. Antibody reactivity and working conditions may vary between species.
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Preparation and Storage	It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.



Application Data
Synthetic G Protein Alpha 0 detected with Rabbit anti Mouse G Protein Alpha 0 (AAA49880)

NCBI AND UNIPROT INFORMATION

NCBI GI #	164607137
NCBI GeneID	14681
NCBI Accession #	NP_001106855.1
NCBI GenBank Nucleotide #	NM_001113384.1
UniProt Accession #	P18872; P18873
NCBI Official Full Name	guanine nucleotide-binding protein G(o) subunit alpha isoform B
NCBI Official Synonym Full Names	guanine nucleotide binding protein, alpha O
NCBI Official Symbol	Gnao1
NCBI Official Synonym Symbols	Gnao; alphaO; Galphao; AW050213
NCBI Protein Information	guanine nucleotide-binding protein G(o) subunit alpha; guanine nucleotide-binding protein G(o) subunit alpha; GTP-binding protein alpha-o subunit; Go alpha
UniProt Protein Name	Guanine nucleotide-binding protein G(o) subunit alpha
UniProt Gene Name	Gnao1
UniProt Synonym Gene Names	Gna0; Gnao
UniProt Entry Name	GNAO_MOUSE

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/g-protein-alpha-0-antibody-western-blot-elisa/49880>