

Datasheet: 4737-1010

BATCH NUMBER 152017

Description:	RABBIT ANTI MOUSE G PROTEIN ALPHA 0
Specificity:	G PROTEIN ALPHA 0
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1/500 - 1/1000
Western Blotting (1)	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

(1)This antibody detects band at 39 kDa when used under reducing conditions against rat brain.

Target Species

Mouse

Species Cross Reactivity

Reacts with: Drosophila

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein G

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	Synthetic peptide corresponding to the amino acids 345 - 354 (C-ANNLRGCGLY) of the native isoform 1 molecule conjugated to Keyhole Limpet Haemocyanin.
External Database Links	<p>UniProt: P18872 Related reagents</p> <p>Entrez Gene: 14681 Gnao1 Related reagents</p>
Synonyms	Gna0, Gnao
RRID	AB_618662
Specificity	<p>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 β and γ subunits. Two isoforms of the α 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.</p> <p>Rabbit anti Mouse G Protein alpha 0 antibody has been used successfully for the detection of G(o) in <i>Drosophila</i> by western blotting (Guo et al. 2011).</p>
References	1. Guo, F. <i>et al.</i> (2011) Go signaling in mushroom bodies regulates sleep in <i>Drosophila</i> . Sleep. 34: 273-81.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/4737-1010 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M363147:200528'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)