Datasheet: VMA00948

Description:	MOUSE ANTI GNB3
Specificity:	GNB3
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	EF01/1A12
Isotype:	IgG1
Quantity:	100 µl

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
Immunoprecipitation	▪			
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click here to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat
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

Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide

Stabilisers	
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	*E. coli*-derived recombinant protein of amino acids 1-340 of human GNB3
External Database Links	**UniProt:** P16520 Related reagents **Entrez Gene:** 2784 GNB3 Related reagents
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	**Mouse anti GNB3 antibody** recognizes guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-3, also known as transducin beta chain 3. GNB3 is the beta3 subunit of G-protein. G proteins transmit information from G-protein-coupled receptors at the plasma membrane to intracellular signaling pathways, regulating a variety of biochemical processes (Syrovatkina et al. 2016) including cell growth and mitosis (Wang and Zhang 2014). G-proteins, and also GNB3, appear to be associated with obesity. Duplication of the gene encoding GNB3 has been linked to an obesity phenotype in humans and in mice (Li et al. 2016). The C825T polymorphism (rs5443) of GNB3 has been associated with obesity, essential hypertension, atherosclerosis, coronary diseases, and cerebrovascular events with sex-specific effects (Gbadoe et al. 2016).
Western Blotting	Mouse anti GNB3 detects a band of approximately 32 kDa in mouse brain tissue lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00948 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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

'M429325:240410'

Printed on 10 Apr 2024