

Datasheet: VMA00887

Description:	MOUSE ANTI GNL3
Specificity:	GNL3
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB03/2F7
Isotype:	IgG2b
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
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

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 Stabilisers

0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-226 of human GNL3
External Database Links	<p>UniProt: Q9BVP2 Related reagents</p> <p>Entrez Gene: 26354 GNL3 Related reagents</p>
Synonyms	E2IG3, NS
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti GNL3 antibody recognizes guanine nucleotide-binding protein-like 3, also known as NNP47, E2IG3, NS, and nucleostemin.</p> <p>Nucleostemin is a nucleolar protein, but rapidly shuttles between the nucleolar and nucleoplasmic compartments when bound to GTP, and this shuttling is regulated by multiple control mechanisms (Kavyasudha et al. 2018). It appears to play a role in protecting DNA damage, both on the telomeres and non-telomeric regions of the chromosomes. It is highly expressed in various types of stem cells, tumors, and cancer stem cells, and is expressed at a much lower level in differentiated cells (Tsai et al. 2014), appearing to play a role in the cell cycle and proliferation of rapidly-dividing cells (Kavyasudha et al. 2018). Accordingly, nucleostemin contributes to formation of blastocysts, embryogenesis, regeneration of postnatal tissue, reprogramming of cells to pluripotency, and cancer development (Tsai et al. 2014). Nucleostemin is highly expressed in a wide variety of cancers, and could serve as a marker for tumor progression and poor patient outcome (Sami et al. 2019).</p>
Western Blotting	Mouse anti GNL3 antibody detects a band of approximately 65 kDa in HEK293 cell 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/VMA00887 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

North & South Tel: +1 800 265 7376

America 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

'M415943:230118'

Printed on 25 Mar 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)