

Datasheet: VMA00918

Description:	MOUSE ANTI TUBG1
Specificity:	TUBG1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CD01/3H7
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
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 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 1-451 of human TUBG1
External Database Links	<p>UniProt: P23258 Related reagents</p> <p>Entrez Gene: 7283 TUBG1 Related reagents</p>
Synonyms	TUBG
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 TUBG1 antibody recognizes tubulin gamma-1 chain, also known as TBG1 and GCP-1.</p> <p>The gamma tubulin TUBG1 is a major part of the centrosome in mammalian cells, and is important for microtubule formation and cell cycle progression (Brock et al. 2018). The other gene that encodes gamma tubulin in mammals, TUBG2, is only expressed in preimplantation embryos and the brain, whereas TUBG1 appears to be ubiquitously expressed in mammalian cells (Ohashi et al. 2016). TUBG1 is also abundantly expressed in the cerebral cortex, cerebellum, thalamus and hippocampus of the developing and mature human brain (Draberova et al. 2017). Variants in the gene encoding TUBG1 can cause tubulinopathies, characterised by a range of cortical malformations, intellectual disability and epilepsy (Ivanova et al. 2019).</p>
Western Blotting	Mouse anti TUBG1 detects a band of approximately 46 kDa in Jurkat 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: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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 Tel: +1 800 265 7376

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

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