

Datasheet: VMA00918

BATCH NUMBER 100005659

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	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-451 of human TUBG1

External Database Links

UniProt:

[P23258](#) [Related reagents](#)

Entrez Gene:

[7283](#) TUBG1 [Related reagents](#)

Synonyms TUBG

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti TUBG1 antibody** recognizes tubulin gamma-1 chain, also known as TBG1 and GCP-1.

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](#)).

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: <https://www.bio-rad-antibodies.com/SDS/VMA00918>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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

'M387351:210623'

Printed on 13 Aug 2023

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