

Datasheet: VMA00397

BATCH NUMBER 171702

Description:	MOUSE ANTI TUBULIN BETA 3
Specificity:	TUBULIN BETA 3
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI5H2
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. Learn about [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 purified by affinity chromatography from tissue culture supernatant

Buffer Solution

Phosphate buffered saline.

Preservative

0.09% Sodium Azide (NaN₃)

Stabilisers	1% Bovine Serum Albumin 25% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Recombinant protein fragment corresponding to aa 1-150 of human tubulin beta 3 (NP_006077) produced in <i>E.coli</i>
External Database Links	<p>UniProt: Q13509 Related reagents</p> <p>Entrez Gene: 10381 TUBB3 Related reagents</p>
Synonyms	TUBB4
Specificity	<p>Mouse anti Human tubulin Beta 3 antibody, clone OTI5H2 recognizes tubulin beta 3, also known as TUBB3, class III beta-tubulin and tubulin beta-III.</p> <p>The TUBB3 gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in TUBB3 are the cause of congenital fibrosis of the extra-ocular muscles type 3. Alternate splicing results in multiple transcript variants. A pseudogene of TUBB3 is found on chromosome 6 (provided by RefSeq, Oct 2010).</p> <p>Mouse anti Human tubulin beta 3 antibody, clone OTI5H2 detects a band of 55 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti tubulin beta 3 detects a band of approximately 55 kDa in mouse and human brain tissue.
Storage	This product is shipped at ambient temperature. 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 #10048 available at: https://www.bio-rad-antibodies.com/SDS/VMA00397
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 \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M445160:250828'

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