

Datasheet: VMA00462K

Description:	TUBULIN BETA 4A ANTIBODY WITH CONTROL LYSATE
Specificity:	TUBULIN BETA 4A
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	8E3
Isotype:	IgG2a
Quantity:	10 Westerns

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

PrecisionAb antibodies have been extensively [validated for the western blot application](#).

The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	100µl Mouse monoclonal antibody purified by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant protein of human tubulin beta 4A produced in HEK293T cell
External Database Links	UniProt: P04350 Related reagents Entrez Gene:

Synonyms	TUBB5
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Specificity	<p>Mouse anti Human tubulin beta 4A antibody recognizes Tubulin beta 4A, also known as dystonia 4, torsion (autosomal dominant), TUBB4, tubulin, beta 4 or tubulin beta 5.</p> <p>Mouse anti Human Tubulin Beta 4A antibody detects a band of 52 kDa. The antibody has been extensively validated for western blotting using whole cell lysates. This antibody is available with a positive control lysate, in a smaller trial size, and as a standalone antibody.</p>
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Western Blotting	Anti tubulin beta 4a detects a band of approximately 52 kDa in Jurkat cell lysate
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Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
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Lysate Composition	400µg Jurkat lysate lyophilized in RIPA buffer.
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Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
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Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
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Shelf Life	As supplied, 12 months from date of despatch.
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Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
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Health And Safety Information	<p>Material Safety Datasheet Documentation #10048 for antibody available at https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf</p> <p>Lysate Material Safety Datasheet Documentation #10561 available at https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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