

Datasheet: VMA00896

Description:	MOUSE ANTI CTBP2
Specificity:	CTBP2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CD02/2B4
Isotype:	IgG2a
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 1-445 of human CTBP2
External Database Links	<p>UniProt: P56545 Related reagents</p> <p>Entrez Gene: 1488 CTBP2 Related reagents</p>
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 CTBP2 antibody recognizes c-terminal-binding protein 2.</p> <p>CTBP2 is a transcriptional corepressor and modulator of a range of cellular processes. This protein is able to induce the epithelial to mesenchymal transition (EMT), and can bind to beta catenin and regulate Wnt signaling. CTBP2 is also able to affect cell migration by at least two mechanisms (Paliwal et al. 2012). CTBP2 can inhibit tumor suppressor activity and apoptosis, and is overexpressed in a variety of cancers including prostate cancer, hepatocellular carcinoma, and ovarian cancer (Dai et al. 2017). CTBP2 has been suggested as a potential biomarker for tumorigenesis, and could be a prognostic indicator of prostate cancer (Zhang et al. 2015).</p>
Western Blotting	Mouse anti CTBP2 antibody detects a band of approximately 47 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/VMA00896 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

North & South Tel: +1 800 265 7376

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

'M394718:220215'

Printed on 25 Mar 2023

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