

Datasheet: VMA00896

BATCH NUMBER 100004234

| | |
|----------------------|------------------------|
| 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 | 0.09% Sodium Azide |

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-445 of human CTBP2

External Database Links

UniProt:

[P56545](#) [Related reagents](#)

Entrez Gene:

[1488](#) CTBP2 [Related reagents](#)

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

Specificity **Mouse anti CTBP2 antibody** recognizes c-terminal-binding protein 2.

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](#)).

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](#)

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

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