

Datasheet: VMA00885

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| Description: | MOUSE ANTI NUCLEAR CAP BINDING PROTEIN SUBUNIT 1 |
| Specificity: | NUCLEAR CAP BINDING PROTEIN SUBUNIT 1 |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Clone: | EF03/2E5-3 |
| Isotype: | IgG2b |
| 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 |
|---------------------|-----|----|----------------|--------------------|
| Immunoprecipitation | ▪ | | | |
| 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.

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|---------------------------------|--|
| 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 affinity purified on Protein G from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative | 0.09% Sodium Azide |

Stabilisers

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|--------------------------------|--|
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | <i>E. coli</i> -derived recombinant protein of amino acids 1-528 of human nuclear cap binding protein subunit 1 |
| External Database Links | UniProt: Q09161 Related reagents Entrez Gene: 4686 NCBP1 Related reagents |
| Synonyms | CBP80, NCBP |
| Fusion Partners | Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line |
| Specificity | Mouse anti nuclear cap binding protein subunit 1 antibody recognizes nuclear cap-binding protein subunit 1, also known as CBP80. The adaptor protein NCPB1, along with NCBP2, comprise the cap-binding complex (CBC). The CBC binds the RNA cap and orchestrates multiple stages of RNA processing including pre-mRNA splicing, 3'-end processing, and recruitment of translation factors in the cytoplasm (Gebhardt et al. 2015). Nuclear cap binding protein subunit 1 promotes growth of lung cancer cells, wound healing ability, migration and epithelial-mesenchymal transition, and nuclear cap binding protein subunit 1 is overexpressed in several lung cancer tissues and cell lines. Silencing of nuclear cap binding protein subunit 1 in HeLa cells has been found to reduce cell growth rate (Zhang et al. 2019). |
| Western Blotting | Mouse anti nuclear cap binding protein subunit 1 antibody detects a band of approximately 81 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/VMA00885 Antibody (10040) |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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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

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