

Datasheet: VMA00885

BATCH NUMBER 100004561

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.

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 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 1-528 of human nuclear cap binding protein subunit 1
External Database Links	<p>UniProt: Q09161 Related reagents</p> <p>Entrez Gene: 4686 NCBP1 Related reagents</p>
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	<p>Mouse anti nuclear cap binding protein subunit 1 antibody recognizes nuclear cap-binding protein subunit 1, also known as CBP80.</p> <p>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).</p>
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](#)

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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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