

Datasheet: VMA00820

Description:	MOUSE ANTI hnRNP C
Specificity:	hnRNP C
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB05/4F12
Isotype:	IgG1
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	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-306 of human hnRNP C
External Database Links	UniProt: P07910 Related reagents Entrez Gene: 3183 HNRNPC Related reagents
Synonyms	HNRPC
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity	Mouse anti hnRNP C antibody recognizes heterogeneous nuclear ribonucleoproteins C1/C2, also known as HNRPC. hnRNP C is a ubiquitously expressed nuclear RNA-binding protein that can associate with all nascent mRNA transcripts (Zarnack et al. 2013). This protein is involved with stages of RNA maturation including pre-mRNA splicing, mRNA stability, and translational modulation (Nasrin et al. 2014), and one of its main functions appears to be protection of the human transcriptome from aberrant Alu exonization (Zarnack et al. 2013). In addition, hnRNP C plays roles in cell proliferation and differentiation. During the G2/M phase of the cell cycle, hnRNP C translocates from the nucleus to the cytoplasm where it is able to affect translation and regulate mitosis (Yang et al. 2013).
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Western Blotting	Mouse anti hnRNP C antibody detects a band of approximately 40 kDa in HEK293 cell lysates
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Storage	This product is shipped at ambient temperature. Store undiluted at -20°C, avoiding repeated freeze thaw cycles
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Guarantee	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	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00820 Antibody (10040)
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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 IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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

'M441858:250523'

Printed on 23 May 2025

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