

Datasheet: VMA00820

BATCH NUMBER 100004379

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 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 1-306 of human hnRNP C
External Database Links	<p>UniProt: P07910 Related reagents</p> <p>Entrez Gene: 3183 HNRNPC Related reagents</p>
Synonyms	HNRPC
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 hnRNP C antibody recognizes heterogeneous nuclear ribonucleoproteins C1/C2, also known as HNRPC.</p> <p>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).</p>
Western Blotting	Mouse anti hnRNP C antibody detects a band of approximately 40 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/VMA00820 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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