

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 *E. coli*-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](#)).

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: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

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

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