

Datasheet: VMA00634

**BATCH NUMBER 170508**

<b>Description:</b>	HUMAN ANTI hnRNP A
<b>Specificity:</b>	hnRNP A
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	HuCAL Fab bivalent
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
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

Human monoclonal antibody purified by metal chelate affinity chromatography from *E. coli* extract

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

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**Immunogen** *E. coli*-derived recombinant human hnRNP A

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**External Database Links**

**UniProt:**

[P09651](#)    [Related reagents](#)

**Entrez Gene:**

[3178](#)    HNRNPA1    [Related reagents](#)

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**Synonyms**    HNRPA1

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**Specificity**

**Human anti Human hnRNP A antibody** recognizes heterogeneous nuclear ribonucleoprotein A1, also known as putative heterogeneous nuclear ribonucleoprotein A1-like 3, helix-destabilizing protein, heterogeneous nuclear ribonucleoprotein A1B protein, heterogeneous nuclear ribonucleoprotein B2 protein, heterogeneous nuclear ribonucleoprotein core protein A1, hnRNP A1-like 3, hnRNP core protein A1, hnRNP core protein A1-like 3, nuclear ribonucleoprotein particle A1 protein, single-strand DNA-binding protein UP1, single-strand RNA-binding protein.

HNRNPA1 belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by HNRNPA1 has two repeats of quasi-RRM domains that bind to RNAs. It is one of the most abundant core proteins of hnRNP complexes and it is localized to the nucleoplasm. This protein, along with other hnRNP proteins, is exported from the nucleus, probably bound to mRNA, and is immediately re-imported. Its M9 domain acts as both a nuclear localization and nuclear export signal. The encoded protein is involved in the packaging of pre-mRNA into hnRNP particles, transport of poly A<sup>+</sup> mRNA from the nucleus to the cytoplasm, and may modulate splice site selection. It is also thought have a primary role in the formation of specific myometrial protein species in parturition. Multiple alternatively spliced transcript variants have been found for HNRNPA1 but only two transcripts are fully described. These variants have multiple alternative transcription initiation sites and multiple polyA sites (provided by RefSeq, Jul 2008).

Human anti Human hnRNP A antibody detects a band of 34 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**    Human anti hnRNP A antibody detects a band of approximately 34 kDa in Jurkat cell lysates

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**Storage**    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/VMA00634>  
Antibody (10040)

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Human IgG F(ab')<sub>2</sub> (STAR126...) [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](https://www.bio-rad-antibodies.com/datasheets)  
'M371805:200612'

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