

Datasheet: VMA00634KT

Description:	hnRNP A ANTIBODY WITH CONTROL LYSATE
Specificity:	hnRNP A
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	HuCAL Fab bivalent
Quantity:	2 Westerns

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
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	20µl Human monoclonal antibody purified by metal chelate affinity chromatography from <i>E. coli</i> extract
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	<i>E. coli</i> -derived recombinant human hnRNP A
External Database Links	<p>UniProt: P09651 Related reagents</p> <p>Entrez Gene: 3178 HNRNPA1 Related reagents</p>
Synonyms	HNRPA1

Specificity	<p>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.</p> <p>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+ 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).</p> <p>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.</p>
Western Blotting	Human anti hnRNP A antibody detects a band of approximately 34 kDa in Jurkat cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Lysate Composition	400µg Jurkat lysate lyophilized in RIPA buffer
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
Storage	Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
	Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.
Shelf Life	As supplied, 12 months from date of despatch
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10040 #10561 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 Human IgG F(ab')₂ (STAR126...) [HRP](#)

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