

HNRNPA1 monoclonal antibody, clone 4B10

Catalog # MAB2483

Size 100 uL

Specification

Product Description	Mouse monoclonal antibody raised against native HNRNPA1.
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Immunogen	Native purified human HNRNPA1.
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Host	Mouse
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Theoretical MW (kDa)	34
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Reactivity	Human, Mouse
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Specificity	Detects a band of approximately 34 KDa.
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Form	Liquid
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Isotype	IgG2a
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Quality Control Testing	Antibody Reactive Against Native Purified Protein.
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Recommend Usage	The optimal working dilution should be determined by the end user.
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Storage Buffer	In PBS (0.09% sodium azide)
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Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Applications

- Western Blot
- Immunofluorescence
- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HNRNPA1

Entrez GeneID	3178
Gene Name	HNRNPA1
Gene Alias	HNRPA1, MGC102835
Gene Description	heterogeneous nuclear ribonucleoprotein A1
Omim ID	164017
Gene Ontology	Hyperlink
Gene Summary	<p>This gene 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 this gene 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 to have a primary role in the formation of specific myometrial protein species in parturition. Multiple alternatively spliced transcript variants have been found for this gene but only two transcripts are fully described. These variants have multiple alternative transcription initiation sites and multiple polyA sites. [provided by RefSeq]</p>
Other Designations	helix-destabilizing protein heterogeneous nuclear ribonucleoprotein A1B protein heterogeneous nuclear ribonucleoprotein B2 protein heterogeneous nuclear ribonucleoprotein core protein A1 nuclear ribonucleoprotein particle A1 protein single-strand DNA-bind

Publication Reference

- [The multifunctional RNA-binding protein hnRNP A1 is required for processing of miR-18a.](#)

Guil S, Cáceres JF.

Nature Structural & Molecular Biology 2007 Jul; 14(7):591.

Application: IP, WB, Human, HeLa cells

- [Immunopurification of heterogeneous nuclear ribonucleoprotein particles reveals an assortment of RNA-binding proteins.](#)

Pinol-Roma S, Choi YD, Matunis MJ, Dreyfuss G.

Genes & Development 1988 Feb; 2(2):215.

Application: AFC, IP, WB, Human, HeLa cells

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)