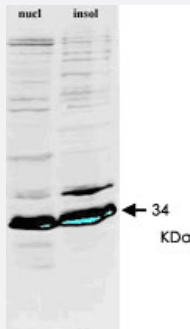


HNRNPA1 monoclonal antibody, clone 9H10

Catalog # MAB2492 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot of HNRNPA1 monoclonal antibody, clone 9H10 (Cat # MAB2492) on HeLa cell extract.

Specification

Product Description	Mouse monoclonal antibody raised against native HNRNPA1.
Immunogen	Native purified human HNRNPA1.
Host	Mouse
Theoretical MW (kDa)	34
Reactivity	Human
Specificity	Detects a band of approximately 34 KDa.
Form	Liquid
Isotype	IgG2b
Quality Control Testing	Antibody Reactive Against Native Purified Protein.
Recommend Usage	Western Blot (1:2000-1:4000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot of HNRNPA1 monoclonal antibody, clone 9H10 (Cat # MAB2492) on HeLa cell extract.

- 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

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]

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

- [P-TEFb Activation by RBM7 Shapes a Pro-survival Transcriptional Response to Genotoxic Stress.](#)

Bugai A, Quaresma AJC, Friedel CC, Lenasi T, Düster R, Sibley CR, Fujinaga K, Kukanja P, Hennig T, Blasius M, Geyer M, Ule J, Dölken L, Barborič M.

Molecular Cell 2019 Apr; 74(2):254.

Application: WB-Tr, Human, HEK 293 cells

- [HnRNPH1/H2, U1 snRNP, and U11 snRNP cooperate to regulate the stability of the U11-48K pre-mRNA.](#)

Turunen JJ, Verma B, Nyman TA, Frilander MJ.

RNA 2013 Mar; 19(3):380.

Application: WB-IP, Human, HeLa cells

- [hnRNP A1 functions with specificity in repression of SMN2 exon 7 splicing.](#)

Kashima T, Rao N, David CJ, Manley JL.

Human Molecular Genetics 2007 Dec; 16(24):3149.

Application: IP, WB-Tr, Human, HeLa cells

- [RNA binding specificity of hnRNP A1: significance of hnRNP A1 high-affinity binding sites in pre-mRNA splicing.](#)

Burd CG, Dreyfuss G.

The EMBO Journal 1994 Mar; 13(5):1197.

Application: IP, WB-Ce, Human, HeLa cells, Recombinant proteins

Disease

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