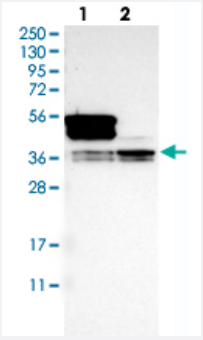
HNRNPA1 polyclonal antibody

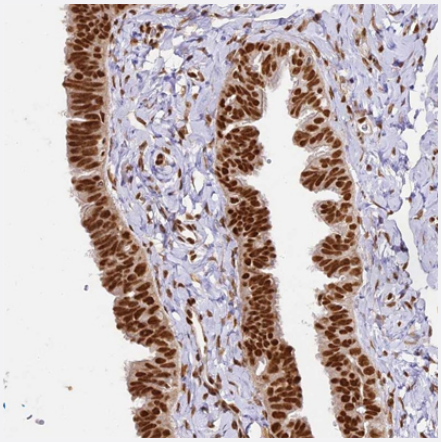
Catalog # PAB29371 Size 100 uL

Applications



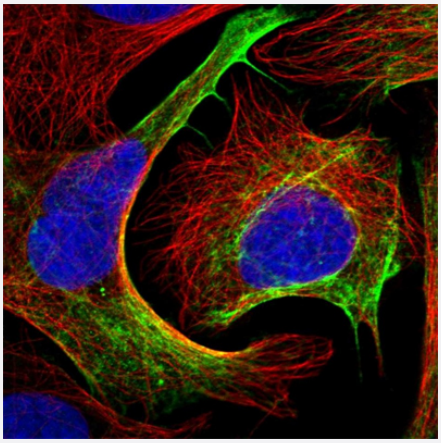
Western Blot (Cell lysate)

Western blot analysis of Lane 1: Human cell line RT-4 Lane 2: Human cell line U-251MG sp with HNRNPA1 polyclonal antibody (Cat # PAB29371) at 1:100-1:250 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human fallopian tube with HNRNPA1 polyclonal antibody (Cat # PAB29371) shows strong nuclear positivity at 1:200-1:500 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with HNRNPA1 polyclonal antibody (Cat # PAB29371) at 1-4 ug/mL concentration shows positivity in intermediate filaments.

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Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human HNRNPA1.
Immunogen	Recombinant protein corresponding to human HNRNPA1.
Sequence	ETTDESLRSHFERWGMLTDCAVMRDPNTKRSRGFGFVTYATVEEVDAATNARPHKVDGKVVEP RRTVSREDYQRSGAHLTVKKIFVGGIKENTEKHQLRDYFEQHGKMEVIEIMTEAVARKGALPL
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:200-1:500) Immunofluorescence (1-4 ug/mL) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% 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 shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of Lane 1: Human cell line RT-4 Lane 2: Human cell line U-251MG sp with HNRNPA1 polyclonal antibody (Cat # PAB29371) at 1:100-1:250 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

  Immunofluorescent staining of human cell line U-2 OS with HNRNPA1 polyclonal antibody (Cat # PAB29371) at 1-4 ug/mL concentration shows positivity in intermediate filaments.

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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 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

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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