

**HNRPAB Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5522a****Specification**

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**HNRPAB Antibody (N-term) - Product Information**

Application	IF, WB, IHC-P,E
Primary Accession	<a href="#">O99729</a>
Other Accession	<a href="#">NP_112556</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36225
Antigen Region	1-30

**HNRPAB Antibody (N-term) - Additional Information****Gene ID** 3182**Other Names**

Heterogeneous nuclear ribonucleoprotein A/B, hnRNP A/B, APOBEC1-binding protein 1, ABBP-1, HNRNPAB, ABBP1, HNRPAB

**Target/Specificity**

This HNRPAB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HNRPAB.

**Dilution**

IF~~1:10~50

WB~~1:1000

IHC-P~~1:50~100

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HNRPAB Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HNRPAB Antibody (N-term) - Protein Information****Name** HNRNPAB

**Synonyms** ABBP1, HNRPAB

**Function** Binds single-stranded RNA. Has a high affinity for G-rich and U-rich regions of hnRNA. Also binds to APOB mRNA transcripts around the RNA editing site.

**Cellular Location**

Nucleus. Cytoplasm. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs

**Tissue Location**

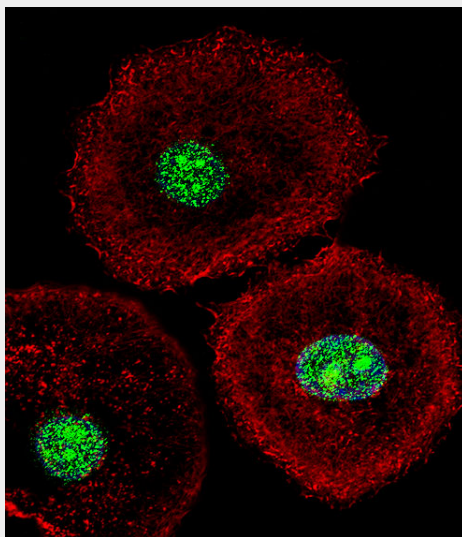
Ubiquitous.

**HNRPAB Antibody (N-term) - Protocols**

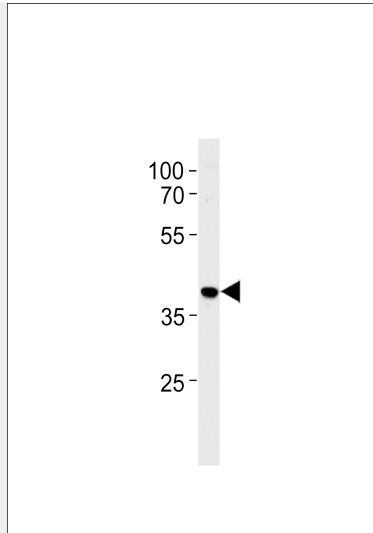
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

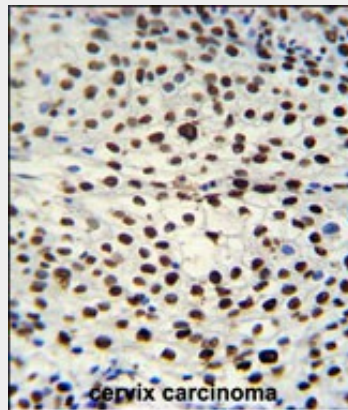
**HNRPAB Antibody (N-term) - Images**



Fluorescent confocal image of MCF-7 cell stained with HNRPAB Antibody (N-term)(Cat#AP5522a). MCF-7 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HNRPAB primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). HNRPAB immunoreactivity is localized to Nucleus significantly.



HNRPAB Antibody (N-term) (Cat. #AP5522a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the HNRPAB antibody detected the HNRPAB protein (arrow).



HNRPAB Antibody (N-term) (Cat. #AP5522a) immunohistochemistry analysis in formalin fixed and paraffin embedded human cervix carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HNRPAB Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

### **HNRPAB Antibody (N-term) - Background**

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are produced by RNA polymerase II and are components of the heterogeneous nuclear RNA (hnRNA) complexes. They 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, which binds to one of the components of the multiprotein editosome complex, has two repeats of quasi-RRM (RNA recognition motif) domains that bind to RNAs.

### **HNRPAB Antibody (N-term) - References**

Jonson, L., et al. Mol. Cell Proteomics 6(5):798-811(2007)

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :  
Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)  
Ong, S.E., et al. Nat. Methods 1(2):119-126(2004)