

**HNRPD antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI11709****Specification**

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**HNRPD antibody - N-terminal region - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">Q14103</a>
Other Accession	<a href="#">NM_031370</a> , <a href="#">NP_112738</a>
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat
Clonality	Rabbit
Calculated MW	Polyclonal 39kDa kDa

**HNRPD antibody - N-terminal region - Additional Information****Gene ID** 3184**Alias Symbol** **P37, AUF1, AUF1A, HNRPD, hnRNP D0**  
**Other Names**

Heterogeneous nuclear ribonucleoprotein D0, hnRNP D0, AU-rich element RNA-binding protein 1, HNRNP D, AUF1, HNRPD

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 100 ul of distilled water. Final anti-HNRPD antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

HNRPD antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**HNRPD antibody - N-terminal region - Protein Information****Name** HNRNP D**Synonyms** AUF1, HNRPD**Function**

Binds with high affinity to RNA molecules that contain AU- rich elements (AREs) found within the 3'-UTR of many proto-oncogenes and cytokine mRNAs. Also binds to double- and single-stranded DNA sequences in a specific manner and functions as a transcription factor. Each of the RNA-binding domains specifically can bind solely to a single-stranded non-monotonous 5'-UUAG-3' sequence and also weaker to the single-stranded 5'-TTAGGG-3' telomeric DNA repeat. Binds RNA

oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats. Binding of RRM1 to DNA inhibits the formation of DNA quadruplex structure which may play a role in telomere elongation. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. May play a role in the regulation of the rhythmic expression of circadian clock core genes. Directly binds to the 3'UTR of CRY1 mRNA and induces CRY1 rhythmic translation. May also be involved in the regulation of PER2 translation.

#### **Cellular Location**

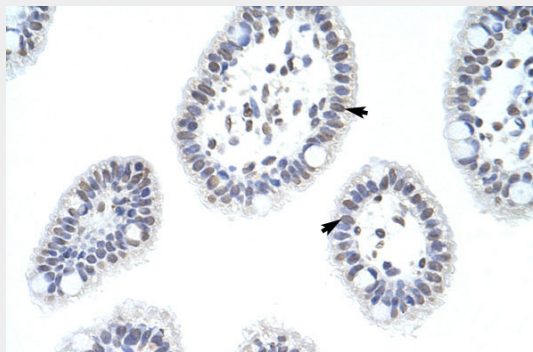
Nucleus. Cytoplasm. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes. Cytoplasmic localization oscillates diurnally

#### **HNRPD antibody - N-terminal region - Protocols**

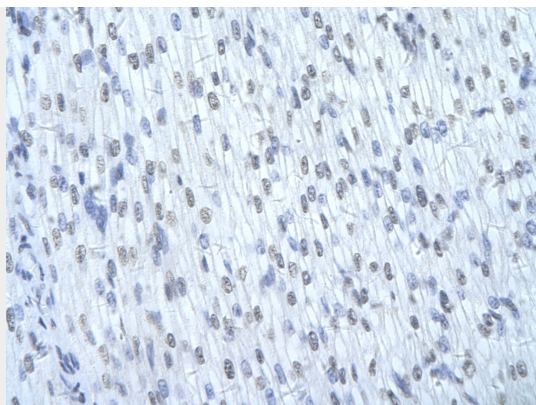
Provided below are standard protocols that you may find useful for product applications.

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

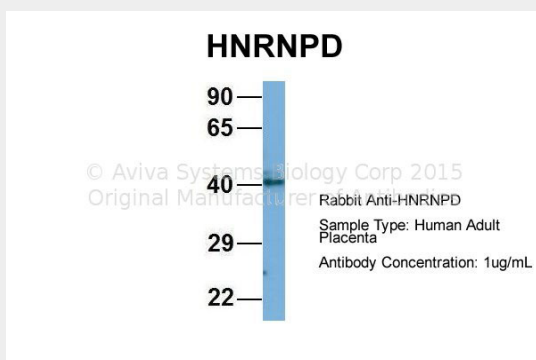
#### **HNRPD antibody - N-terminal region - Images**



Rabbit Anti-HNRPD Antibody  
Paraffin Embedded Tissue: Human Intestine  
Cellular Data: Epithelial cells of intestinal villas  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X



Rabbit Anti-HNRNPD Antibody  
Paraffin Embedded Tissue: Human cardiac cell  
Cellular Data: Epithelial cells of renal tubule  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X



Host: Rabbit  
Target Name: CHAD  
Sample Tissue: Human Adult Placenta  
Antibody Dilution: 1.0µg/ml

#### HNRNPD antibody - N-terminal region - References

Dhakras,P.S., Am. J. Physiol. Renal Physiol. 290 (2), F313-F318 (2006)Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.