

hnRNP D0 Polyclonal Antibody
Catalog # AP70380**Specification****hnRNP D0 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q14103
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

hnRNP D0 Polyclonal Antibody - Additional Information**Gene ID** 3184**Other Names**

HNRNPD; AUF1; HNRPD; Heterogeneous nuclear ribonucleoprotein D0; hnRNP D0; AU-rich element RNA-binding protein 1

Dilution

WB~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

hnRNP D0 Polyclonal Antibody - Protein Information**Name** HNRNPD**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

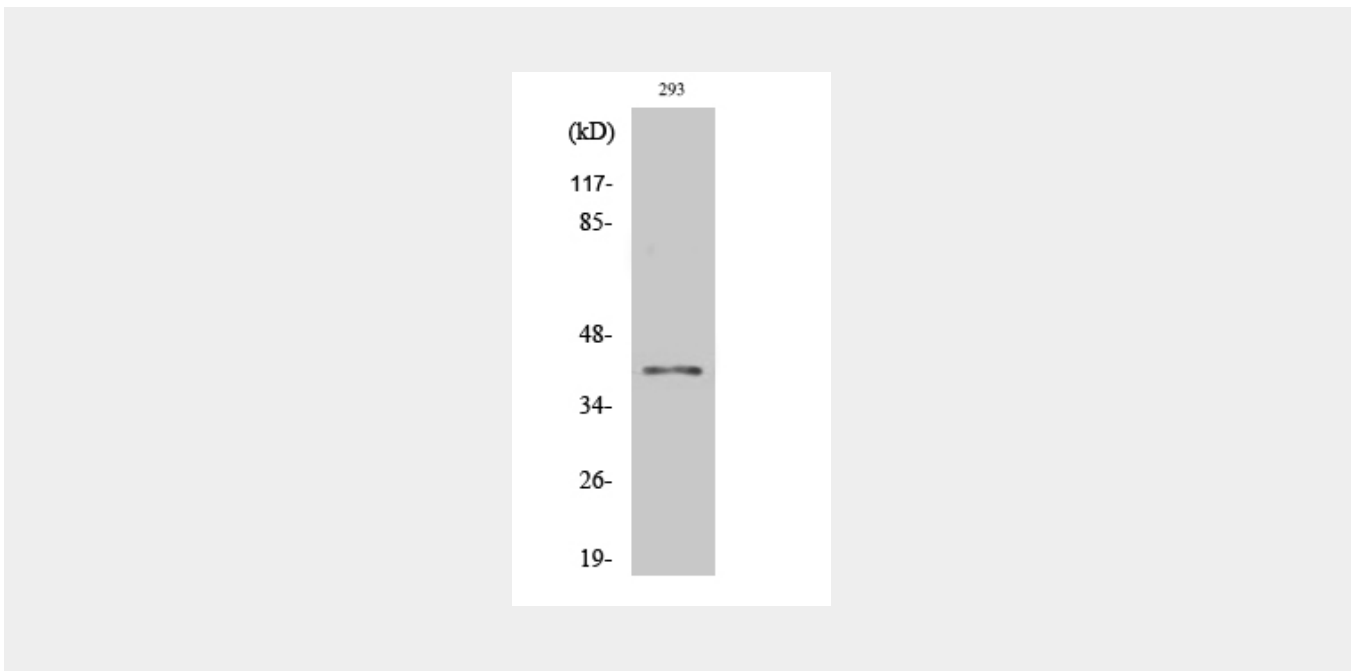
Nucleus. Cytoplasm. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes. Cytoplasmic localization oscillates diurnally

hnRNP D0 Polyclonal Antibody - 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](#)

hnRNP D0 Polyclonal Antibody - Images



hnRNP D0 Polyclonal Antibody - Background

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be involved in the regulation of PER2 translation.