

anti- HNRNPD antibody

Product Information

Catalog No.:	FNab03950
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen: heterogeneous nuclear ribonucleoprotein D(AU-rich element RNA binding protein 1, 37kDa)

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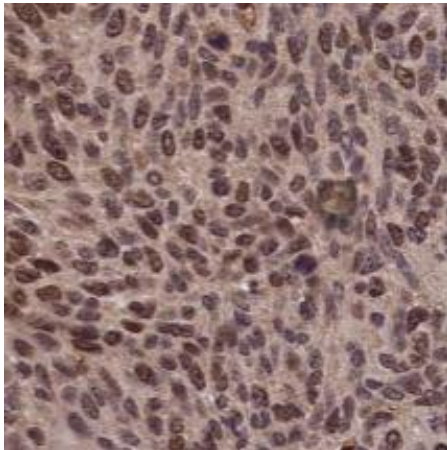
Fax: (0086)027-87800889

www.fn-test.com

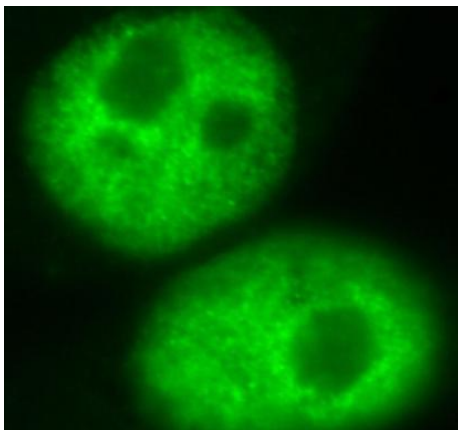
Synonyms: AUF1;AUF1A;HNRPD;P37;hnRNPD0
Observed MW: 40 kDa
Uniprot ID : Q14103

Application

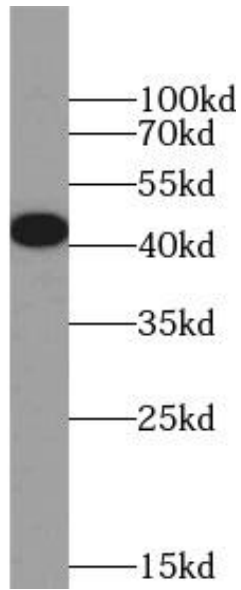
Reactivity: Human, Mouse, Rat
Tested Application: ELISA, WB, IHC, IF
Recommended dilution: WB: 1:500-1:2000; IHC: 1:50-1:200; IF: 1:50-1:100
Image:



Immunohistochemistry of paraffin-embedded human cervical cancer using FNab03950(HNRNP D antibody) at dilution of 1:100



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FNab03950 (HNRNP D antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)



HeLa cells were subjected to SDS PAGE followed by western blot with FNab03950(HNRNPD antibody) at dilution of 1:500