

## hnRNP D0 (Phospho Ser83) Rabbit pAb

CatalogNo: YP0934

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 38kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:20000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human hnRNP around the phosphorylation site of Ser83. AA range: 49-98

**Specificity** Phospho-hnRNP D0 (S83) Polyclonal Antibody detects endogenous levels of hnRNP D0 protein only when phosphorylated at S83. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): NSsPR

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## | Target Information

**Gene name** HNRNPD

**Protein Name** Heterogeneous nuclear ribonucleoprotein D0

Organism	Gene ID	UniProt ID
Human	<a href="#">3184</a> ;	<a href="#">Q14103</a> ;
Mouse	<a href="#">11991</a> ;	<a href="#">Q60668</a> ;
Rat	<a href="#">79256</a> ;	<a href="#">Q9JJ54</a> ;

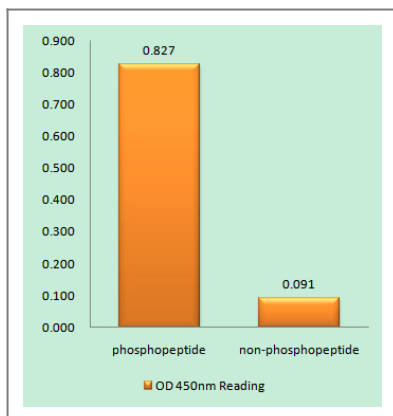
**Cellular Localization** Nucleus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes. Cytoplasmic localization oscillates diurnally.

**Tissue specificity** Blood, Cervix carcinoma, Epithelium, Liver, Lung, Ovarian carcin

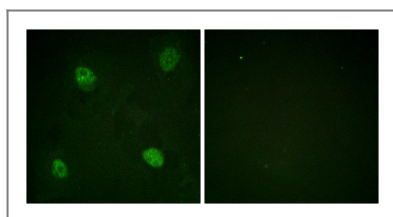
**Function** Function: Binds with high affinity to RNA molecules that contain AU-rich elements (AREs) found within the 3'-UTR of many proto-oncogenes and cytokine mRNAs. Also binds to double- and single-stranded DNA sequences in a specific manner and functions as a transcription factor. Each of the RNA-binding 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. PTM: Arg-345 is dimethylated, probably to asymmetric dimethylarginine. sequence Caution: Contaminating sequence. Sequence of unknown origin in the N-terminal part. sequence Caution: Several sequence conflicts. similarity: Contains 2 RRM (RNA recognition motif) domains. subcellular location: Component of ribonucleosomes. subunit: Part of a complex associated with the FOS mCRD domain and consisting of PABPC1, PAIP1, CSDE1/UNR and SYNCRIP. Interacts with IGF2BP2.

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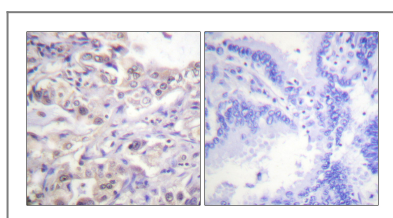
## | Validation Data



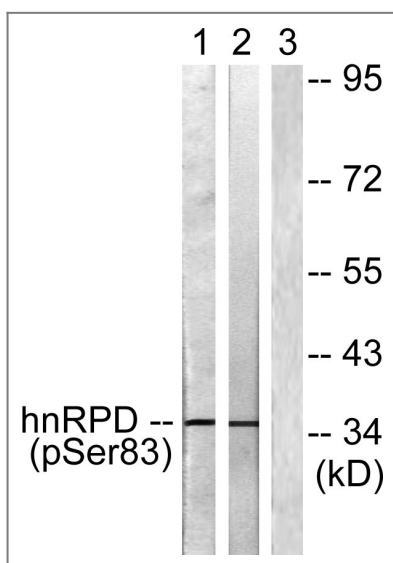
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using hnRPD (Phospho-Ser83) Antibody



Immunofluorescence analysis of HeLa cells, using hnRPD (Phospho-Ser83) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using hnRPD (Phospho-Ser83) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC and 293 cells, using hnRPD (Phospho-Ser83) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**hnRNP D0 (Phospho Ser83) Rabbit pAb**

