hnRNP D0 (phospho Ser83) rabbit pAb

Cat#: orb768631 (Manual)

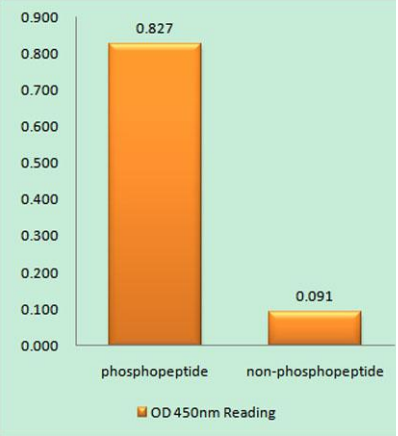
For research use only. Not intended for diagnostic use.

Product Name	hnRNP D0 (phospho Ser83) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	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.
Immunogen	The antiserum was produced against synthesized peptide derived from human hnRPD 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.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Heterogeneous nuclear ribonucleoprotein D0
Gene Name	HNRNPD
Cellular localization	Nucleus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes. Cytoplasmic localization oscillates diurnally.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	38kD
Human Gene ID	3184
Human Swiss-Prot Number	Q14103
Alternative Names	HNRNPD; AUF1; HNRPD; Heterogeneous nuclear ribonucleoprotein D0; hnRNP D0; AU-rich element RNA-binding protein 1

Background

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are nucleic acid binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins 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 has two repeats of quasi-RRM domains that bind to RNAs. It localizes to both the nucleus and the cytoplasm. This protein is implicated in the regulation of mRNA stability. Alternative splicing of this gene results in four transcript variants. [provided by RefSeq, Jul 2008],



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

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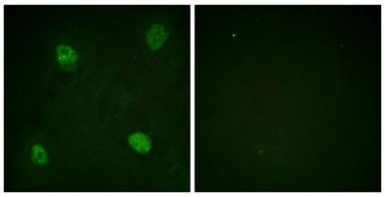
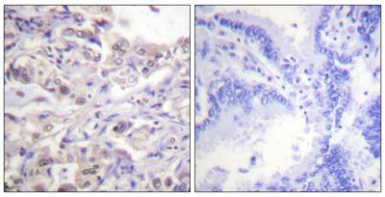
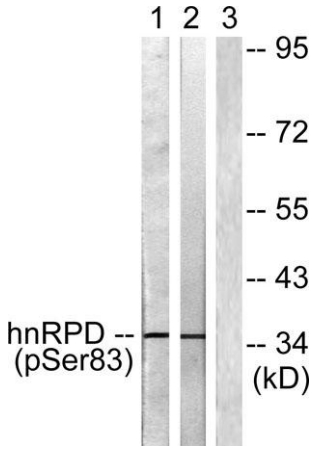


Immunofluorescence analysis of HeLa cells, using hnRPD (Phospho-Ser83) Antibody. The picture on the right is blocked with the phospho peptide.



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.

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