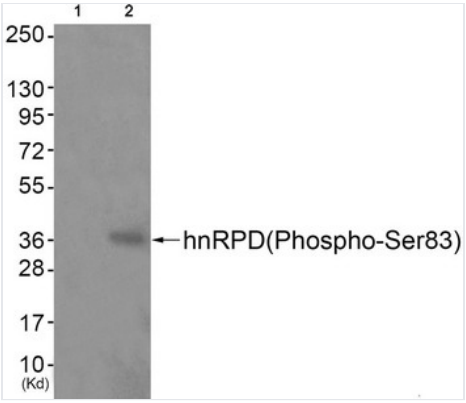
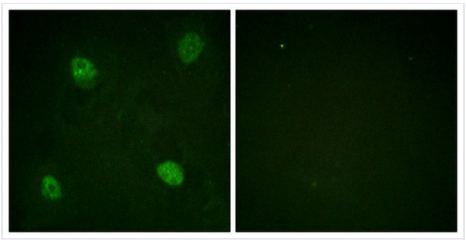
HNRNPD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

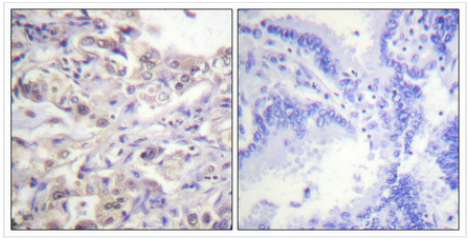
Product Name	HNRNPD, Polyclonal Antibody
Full Product Name	Phospho-HNRNPD (Ser83) Antibody
Product Gene Name	anti-HNRNPD antibody
Product Synonym Names	ROD; AUF1; HNRPD
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; Rabbit IgG In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography usin
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	38,434 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (83274467..83295149, complement). Location: 4q21
OMIM	601324
3D Structure	ModBase 3D Structure for Q14103
Immunogen	Peptide sequence around phosphorylation site of Serine 83(N-S-S(p)-P-R) derived from Human hnRPD.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-HNRNPD antibody	Epigenetics and Nuclear Signaling
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HNRNPD antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-HNRNPD antibody	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:100-1:200
Related Product Information for anti-HNRNPD antibody	MBS7133545 is an antibody targeting HNRNPD. Also known as Phospho-HNRNPD (Ser83) Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-HNRNPD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-HNRNPD antibody
Western blot analysis of extracts from JK cells (Lane 2), using hnRPD (Phospho-Ser83) Antibody. The lane on the left is treated with antigen-specific peptide.



Immunofluorescence (IF) of anti-HNRNPD antibody
Immunofluorescence staining of methanol-fixed HeLa cells using hnRPD (Phospho-Ser83) Antibody.



Immunohistochemistry (IHC) of anti-HNRNPD antibody
Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using hnRPD (Phospho-Ser83) antibody (left)or the same antibody preincubated with blocking peptide (right).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HNRNPD. It may not necessarily be applicable to this product.

NCBI GI #	51477708
NCBI GeneID	3184
NCBI Accession #	NP_001003810.1
UniProt Primary Accession #	Q14103
UniProt Secondary Accession #	P07029; Q01858; Q14100; Q14101; Q14102; Q4W5A1; Q9UCE8; Q9UCE9; A8K9J2
UniProt Related Accession #	Q14103
GenBank Nucleotide #	NM_001003810.1
NCBI Official Full Name	heterogeneous nuclear ribonucleoprotein D0 isoform d
NCBI Official Synonym Full Names	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa)
NCBI Official Symbol	HNRNPD
NCBI Official Synonym Symbols	P37; AUF1; AUF1A; HNRPD; hnRNPD0
UniProt Protein Name	Heterogeneous nuclear ribonucleoprotein D0
UniProt Synonym Protein Names	AU-rich element RNA-binding protein 1
Protein Family	Heterogeneous nuclear ribonucleoprotein
UniProt Gene Name	HNRNPD
UniProt Synonym Gene Names	AUF1; HNRPD; hnRNP D0
UniProt Entry Name	HNRPD_HUMAN

NCBI Protein Information	heterogeneous nuclear ribonucleoprotein D0; hnRNP D0; ARE-binding protein AUFI, type A
NCBI Summary for HNRNPD	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]
UniProt Comments for HNRNPD	hnRNP D0: a ubiquitously expressed heterogeneous nuclear ribonucleoprotein (hnRNP). Implicated in the regulation of mRNA stability. Has two repeats of quasi-RRM domains that bind to RNAs. It localizes to both the nucleus and the cytoplasm. Four alternatively spliced transcript variants have been described. Protein type: RNA splicing; RNA-binding Chromosomal Location of Human Ortholog: 4q21 Cellular Component: nucleoplasm; ribonucleoprotein complex; nucleus; cytosol Molecular Function: protein binding; RNA binding; telomeric DNA binding; nucleotide binding Biological Process: RNA processing; nuclear mRNA splicing, via spliceosome; positive regulation of translation; transcription, DNA-dependent; regulation of transcription, DNA-dependent; positive regulation of transcription, DNA-dependent; RNA splicing; RNA catabolic process; gene expression; regulation of mRNA stability; regulation of circadian rhythm
Research Articles on HNRNPD	**1.** Here authors describe experiments suggesting that AUF1, a host RNA binding protein involved in mRNA decay, plays a role in the infectious cycle of picornaviruses such as poliovirus and human rhinovirus.
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