ARG42845
anti-hnRNP DL antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes hnRNP DL
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	hnRNP DL
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 261-420 of Human hnRNP DL (NP_112740.1).
Conjugation	Un-conjugated
Alternate Names	JKT41-binding protein; AU-rich element RNA-binding factor; HNRPDL; laAUF1; Protein laAUF1; HNRNP; Heterogeneous nuclear ribonucleoprotein D-like; hnRNP DL; LGMD1G; JKTBP; hnRNP D-like; JKTBP2

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	SW620
Observed Size	~ 40 kDa

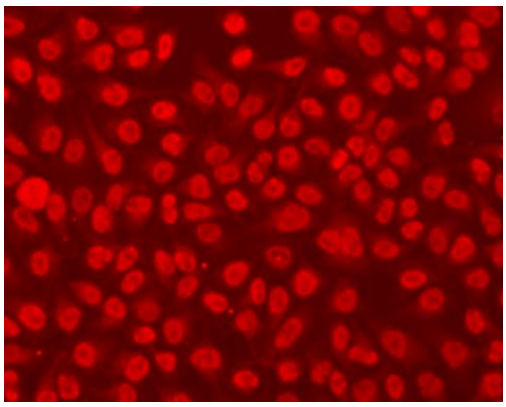
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

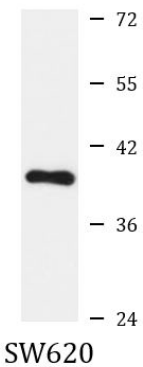
Gene Symbol	HNRNPDL
Gene Full Name	heterogeneous nuclear ribonucleoprotein D-like
Background	This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These 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 RRM domains that bind to RNAs. Three alternatively spliced transcript variants have been described for this gene. One of the variants is probably not translated because the transcript is a candidate for nonsense-mediated mRNA decay. The protein isoforms encoded by this gene are similar to its family member HNRPD. [provided by RefSeq, May 2011]
Function	Acts as a transcriptional regulator. Promotes transcription repression. Promotes transcription activation in differentiated myotubes (By similarity). Binds to double- and single-stranded DNA sequences. Binds to the transcription suppressor CATR sequence of the COX5B promoter (By similarity). 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. Binds both to nuclear and cytoplasmic poly(A) mRNAs. Binds to poly(G) and poly(A), but not to poly(U) or poly(C) RNA homopolymers. Binds to the 5'-ACUAGC-3' RNA consensus sequence. [UniProt]
Calculated Mw	46 kDa
PTM	Dimethylation of Arg-408 is probably of the asymmetric type. [UniProt]
Cellular Localization	Nucleus. Cytoplasm. Note=Shuttles between the nucleus and the cytoplasm in a TNPO1-dependent manner. [UniProt]

Images



ARG42845 anti-hnRNP DL antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG42845 anti-hnRNP DL antibody at 1:100 dilution.



ARG42845 anti-hnRNP DL antibody WB image

Western blot: 25 µg of SW620 cell lysate stained with ARG42845 anti-hnRNP DL antibody at 1:1000 dilution.