10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HNRPDL Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5352c

Specification

HNRPDL Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q14979
Other Accession	Q3SWU3, Q9Z130, Q5ZI72, Q7ZX83, NP_112740.1
Reactivity	**Human**
Predicted	**Xenopus, Chicken, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**46438**
Antigen Region	**206-234**

HNRPDL Antibody (Center) - Additional Information

Gene ID 9987

Other Names
Heterogeneous nuclear ribonucleoprotein D-like, hnRNP D-like, hnRNP DL, AU-rich element RNA-binding factor, JKT41-binding protein, Protein laAUF1, HNRNPDL, HNRPDL, JKTBP

Target/Specificity
This HNRPDL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 206-234 amino acids from the Central region of human HNRPDL.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HNRPDL Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HNRPDL Antibody (Center) - Protein Information

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Name HNRNPDL

Synonyms HNRPDL, JKTBP

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.

Cellular Location
Nucleus. Cytoplasm. Note=Shuttles between the nucleus and the cytoplasm in a TNPO1-dependent manner.

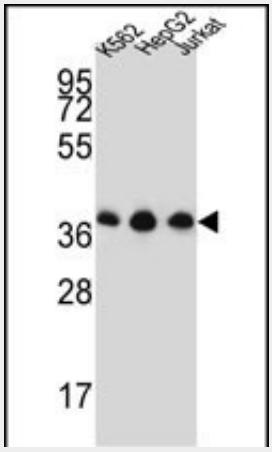
Tissue Location
Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocytes. Expressed in myeloid leukemia, gastric adenocarcinoma, cervical carcinoma, hepatoma, fibrosarcoma, colon adenocarcinoma, epidermoid carcinoma, osteosarcoma and urinary bladder carcinoma cells.

HNRPDL Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HNRPDL Antibody (Center) - Images



HNRPDL Antibody (Center) (Cat. #AP5352c) western blot analysis in K562,HepG2,Jurkat cell line lysates (35ug/lane).This demonstrates the HNRPDL antibody detected the HNRPDL protein (arrow).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HNRPDL Antibody (Center) - Background

HNRPDL 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 has two RRM domains that bind to RNAs.

HNRPDL Antibody (Center) - References

Walker, L.C., et al. Breast Cancer Res. Treat. 112(2):229-236(2008)
Wu, Y.Y., et al. Cell Biochem. Funct. 26(4):467-477(2008)
Reboll, M.R., et al. RNA 13(8):1328-1340(2007)

HNRPDL Antibody (Center) - Citations

- Nuclear speckle specific hnRNP D-like prevents age- and AD-related cognitive decline by modulating RNA splicing