

HNRPDL Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5352c**Specification**

HNRPDL Antibody (Center) Blocking peptide - Product Information

Primary Accession [O14979](#)
Other Accession [NP_112740.1](#)

HNRPDL Antibody (Center) Blocking peptide - 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 IaAUF1, HNRNPDL, HNRPDL, JKTBP

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HNRPDL Antibody (Center) Blocking peptide - Protein Information

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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HNRPDL Antibody (Center) Blocking peptide - Images

HNRPDL Antibody (Center) Blocking peptide - 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) Blocking peptide - 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)