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

HNRPL Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2950b

Specification

HNRPL Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P14866
Other Accession	Q8R081, F1LQ48
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**64133**
Antigen Region	**461-490**

HNRPL Antibody (C-term) - Additional Information

Gene ID 3191

Other Names
Heterogeneous nuclear ribonucleoprotein L, hnRNP L, HNRNPL, HNRPL

Target/Specificity
This HNRPL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 461-490 amino acids from the C-terminal region of human HNRPL.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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
HNRPL Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HNRPL Antibody (C-term) - Protein Information

Name HNRNPL

Synonyms HNRPL

Function Splicing factor binding to exonic or intronic sites and acting as either an activator or repressor of exon inclusion. Exhibits a binding preference for CA-rich elements (PubMed:11809897, PubMed:22570490, PubMed:24164894, PubMed:25623890, PubMed:26051023). Component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complexes and associated with most nascent transcripts (PubMed:2687284). Associates, together with APEX1, to the negative calcium responsive element (nCaRE) B2 of the APEX2 promoter (PubMed:11809897). As part of a ribonucleoprotein complex composed at least of ZNF827, HNRNPK and the circular RNA circZNF827 that nucleates the complex on chromatin, may negatively regulate the transcription of genes involved in neuronal differentiation (PubMed:33174841). Regulates alternative splicing of a core group of genes involved in neuronal differentiation, likely by mediating H3K36me3-coupled transcription elongation and co-transcriptional RNA processing via interaction with CHD8.

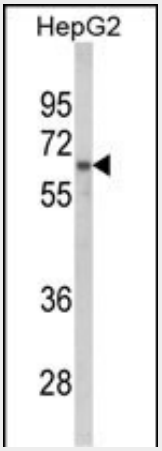
Cellular Location
Nucleus, nucleoplasm. Cytoplasm. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs. These granules are not identical with P bodies or stress granules

HNRPL Antibody (C-term) - 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

HNRPL Antibody (C-term) - Images



Western blot analysis of HNRPL Antibody (C-term) (Cat. #AP2950b) in HepG2 cell line lysates (35ug/lane). HNRPL (arrow) was detected using the purified Pab.(2ug/ml)

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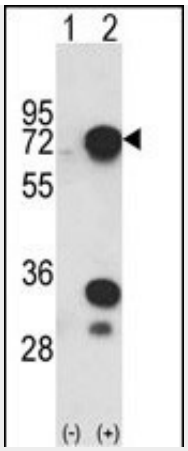
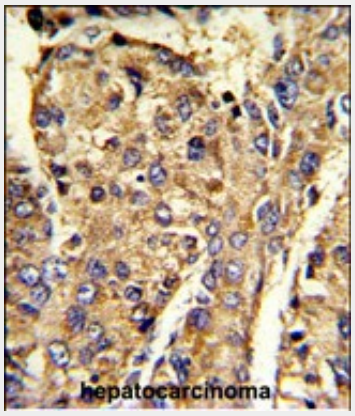


Western blot analysis of HNRPL (arrow) using rabbit polyclonal HNRPL Antibody (C-term) (Cat. #AP2950b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the HNRPL gene (Lane 2) .



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with HNRPL Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

HNRPL Antibody (C-term) - Background

HNRPL is a component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complexes which provide the substrate for the processing events that pre-mRNAs undergo before becoming functional, translatable mRNAs in the cytoplasm. L is associated with most nascent transcripts including those of the landmark giant loops of amphibian lampbrush chromosomes.

HNRPL Antibody (C-term) - References

Hahm,B., et.al., FEBS Lett. 425 (3), 401-406 (1998)
Funke,B., et.al., Nucleic Acids Res. 24 (19), 3821-3828 (1996)