

Rabbit anti-Human, Mouse hnRNP L Polyclonal Antibody | anti-HNRNPL antibody

hnRNP L Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321917	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

hnRNP L; Polyclonal Antibody; hnRNP L Antibody; D830027H13Rik; FLJ35509; Heterogeneous nuclear ribonucleoprotein L; hnRNP-L; Hnrnpl; hnRPL; HNRPL_HUMAN; P/OKcl.14; anti-HNRNPL antibody

PRODUCT SPECIFICATIONS

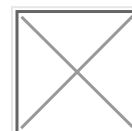
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	hnRNP L antibody detects endogenous levels of total hnRNP L
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	456
Applicable Applications for anti-HNRNPL antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human hnRNP L
Subcellular Location	Nucleus > Nucleoplasm. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321917 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IF (Immunofluorescence)

AAA321917 staining MCF-7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of hnRNP L expression in Jurkat cells. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA321917 at 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-HNRNPL antibody

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).
Subunit Structure: Identified in a IGF2BP1-dependent mRNP granule complex containing untranslated mRNAs (PubMed:17289661). Interacts with HNRNPLL (PubMed:18669861). Interacts with APEX1; the interaction is DNA-dependent (PubMed:11809897). Component of a complex with SETD2 (PubMed:19332550). Interacts with ELAVL1 (PubMed:18161049).
Post-translational Modifications: Several isoelectric forms of the L protein are probably the results of post-translational modifications. Phosphorylation at Ser-544 by CaMK4 enhances interaction with a CaMK4-responsive RNA element (CaRRE1), and prevents inclusion of the stress axis-regulated exon (STREX) of the KCNMA1 potassium channel transcripts upon membrane depolarization.
Similarity: RRM domain 2 has moderate RNA-binding affinity. RRM domains 3 and 4 may facilitate RNA looping when binding to two appropriately separated binding sites within the same target pre-mRNA (PubMed:23782695).

NCBI AND UNIPROT INFORMATION

NCBI GI #	52632385
NCBI GeneID	3191
NCBI Accession #	NP_001005335.1
NCBI GenBank Nucleotide #	NM_001005335.1
UniProt Accession #	P14866; Q9H3P3; A6ND69; A6NIT8
Molecular Weight	Observed: 60 kDa Predicted: 65 kDa
NCBI Official Full Name	heterogeneous nuclear ribonucleoprotein L isoform b
NCBI Official Synonym Full Names	heterogeneous nuclear ribonucleoprotein L
NCBI Official Symbol	HNRNPL
NCBI Official Synonym Symbols	HNRPL; hnRNP-L; P/OKcl.14
NCBI Protein Information	heterogeneous nuclear ribonucleoprotein L
UniProt Protein Name	Heterogeneous nuclear ribonucleoprotein L
UniProt Gene Name	HNRNPL
UniProt Synonym Gene Names	HNRPL; hnRNP L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.