HNRNPL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HNRNPL, Polyclonal Antibody
Full Product Name	HNRNPL Antibody, Biotin conjugated
Product Gene Name	anti-HNRNPL antibody
Product Synonym Names	Heterogeneous nuclear ribonucleoprotein L; hnRNP L; HNRNPL; HNRPL; P/OKcl.14
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	>95%, Protein G Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: HNRNPL (MBS1491998) Biotin Conjugated Antibody: HNRNPL (MBS1499168)
Molecular Weight	50,561 Da
OMIM	164021
3D Structure	ModBase 3D Structure for P14866
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Biotin
Immunogen	Recombinant human Heterogeneous nuclear ribonucleoprotein L protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-16550 / sc-30720 / sc-28726
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HNRNPL antibody	ELISA (EIA)
Related Product Information for anti-HNRNPL antibody	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. Component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complexes and associated with most nascent transcripts. Associates, together with APEX1, to the negative calcium responsive element (nCaRE) B2 of the APEX2 promoter.
Other Notes	Small volumes of anti-HNRNPL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HNRNPL purchase	MBS1499168 is an antibody targeting HNRNPL. Also known as HNRNPL Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HNRNPL. It may not necessarily be applicable to this product.

NCBI GI #	52632385

NCBI GeneID	3191
NCBI Accession #	NP_001005335.1
UniProt Primary Accession #	P14866
UniProt Secondary Accession #	Q9H3P3; A6ND69; A6NIT8
UniProt Related Accession #	P14866
GenBank Nucleotide #	NM_001005335.1
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
UniProt Protein Name	Heterogeneous nuclear ribonucleoprotein L
Protein Family	Heterogeneous nuclear ribonucleoprotein
UniProt Gene Name	HNRNPL
UniProt Synonym Gene Names	HNRPL; hnRNP L
UniProt Entry Name	HNRPL_HUMAN
NCBI Protein Information	heterogeneous nuclear ribonucleoprotein L
NCBI Summary for HNRNPL	Heterogeneous nuclear RNAs (hnRNAs) which include mRNA precursors and mature mRNAs are associated with specific proteins to form heterogenous ribonucleoprotein (hnRNP) complexes. Heterogeneous nuclear ribonucleoprotein L is among the proteins that are stably associated with hnRNP complexes and along with other hnRNP proteins is likely to play a major role in the formation, packaging, processing, and function of mRNA. Heterogeneous nuclear ribonucleoprotein L is present in the nucleoplasm as part of the HNRP complex. HNRP proteins have also been identified outside of the nucleoplasm. Exchange of hnRNP for mRNA-binding proteins accompanies transport of mRNA from the nucleus to the cytoplasm. Since HNRP proteins have been shown to shuttle between the nucleus and the cytoplasm, it is possible that they also have cytoplasmic functions. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for HNRNPL	hnRNP L: This protein 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. Is associated with most nascent transcripts including those of the landmark giant loops of amphibian lampbrush chromosomes. Associates, together with APEX1, to the negative calcium responsive element (nCaRE) B2 of the APEX2 promoter. 2 isoforms of the human protein are produced by alternative splicing. Protein type: RNA splicing; RNA-binding Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: cytoplasm; membrane; nucleoplasm; nucleus; ribonucleoprotein complex Molecular Function: nucleotide binding; protein binding; RNA binding Biological Process: gene expression; nuclear mRNA splicing, via spliceosome; RNA processing; RNA splicing
Research Articles on HNRNPL	**1.** The study presents the structural characterization of the RNA recognition motif domains of hnRNP-L and demonstrate their function in repressing exon 4 of SLC2A2.
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