HNRNPF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HNRNPF, Polyclonal Antibody
Full Product Name	HNRNPF Conjugated Antibody
Product Gene Name	anti-HNRNPF antibody
Product Synonym Names	HNRPF; mcs94-1; OK/SW-cl.23
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous level of total HNRNPF protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	45,672 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (43881065..43904696, complement). Location: 10q11.21
OMIM	601037
3D Structure	ModBase 3D Structure for P52597
Immunogen	Recombinant protein of human HNRNPF.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-HNRNPF antibody	Most Applications
Application Notes for anti-HNRNPF antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-HNRNPF antibody	This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins that complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and regulate alternative splicing, polyadenylation, 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 encoded by this gene has three repeats of quasi-RRM domains that bind to RNAs which have guanosine-rich sequences. This protein is very similar to the family member hnRPH. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Other Notes	Small volumes of anti-HNRNPF 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 HNRNPF purchase	MBS9443983 is an antibody targeting HNRNPF. Also known as HNRNPF Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	148470404
NCBI GeneID	3185
NCBI Accession #	NP_001091674.1
UniProt Primary Accession #	P52597
UniProt Secondary Accession #	Q5T0N2; Q96AU2; B3KM84
UniProt Related Accession #	P52597
GenBank Nucleotide #	NM_001098204.1
NCBI Official Full Name	heterogeneous nuclear ribonucleoprotein F
NCBI Official Synonym Full Names	heterogeneous nuclear ribonucleoprotein F
NCBI Official Symbol	HNRNPF
NCBI Official Synonym Symbols	HNRPF; mcs94-1; OK/SW-cl.23
UniProt Protein Name	Heterogeneous nuclear ribonucleoprotein F
UniProt Synonym Protein Names	Nucleolin-like protein mcs94-1
Protein Family	Heterogeneous nuclear ribonucleoprotein
UniProt Gene Name	HNRNPF
UniProt Synonym Gene Names	HNRPF; hnRNP F
UniProt Entry Name	HNRPF_HUMAN
NCBI Protein Information	heterogeneous nuclear ribonucleoprotein F; HnRNP F protein; nucleolin-like protein mcs94-1
UniProt Comments for HNRNPF	hnRNP F: 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. Plays a role in the regulation of alternative splicing events. Binds G-rich sequences in pre-mRNAs and keeps target RNA in an unfolded state. Protein type: RNA splicing; RNA-binding; Spliceosome Chromosomal Location of Human Ortholog: 10q11.21 Cellular Component: nucleoplasm; membrane; nucleus Molecular Function: protein binding; single-stranded RNA binding; RNA binding; nucleotide binding Biological Process: RNA processing; nuclear mRNA splicing, via spliceosome; regulation of RNA splicing; RNA splicing; gene expression
Research Articles on HNRNPF	**1.** These data point to a functional interaction between hnRNP F and SRSF1 as a mutant that eliminates SRSF1 binding to exon 11, or a SRSF1 knockdown, which prevents the stimulatory effect of hnRNP F over expression.

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