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HNRPF Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP14092a

Specification

HNRPF Antibody (N-term) Blocking peptide - Product Information

Primary Accession	P52597

HNRPF Antibody (N-term) Blocking peptide - Additional Information

Gene ID 3185

Other Names
Heterogeneous nuclear ribonucleoprotein F, hnRNP F, Nucleolin-like protein mcs94-1, Heterogeneous nuclear ribonucleoprotein F, N-terminally processed, HNRNPF, HNRPF

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP14092a was selected from the N-term region of HNRPF. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

HNRPF Antibody (N-term) Blocking peptide - Protein Information

Name HNRNPF

Synonyms HNRPF

Function
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.

Cellular Location
Nucleus, nucleoplasm.

Tissue Location
Expressed ubiquitously.

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HNRPF Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

HNRPF Antibody (N-term) Blocking peptide - Images

HNRPF Antibody (N-term) Blocking peptide - Background

This gene belongs to the subfamily of ubiquitouslyexpressed heterogeneous nuclear ribonucleoproteins (hnRNPs). ThehnRNPs are RNA binding proteins that complex with heterogeneousnuclear RNA (hnRNA). These proteins are associated with pre-mRNAsin the nucleus and regulate alternative splicing, polyadenylation,and other aspects of mRNA metabolism and transport. While all ofthe hnRNPs are present in the nucleus, some seem to shuttle betweenthe nucleus and the cytoplasm. The hnRNP proteins have distinctnucleic acid binding properties. The protein encoded by this genehas three repeats of quasi-RRM domains that bind to RNAs which haveguanosine-rich sequences. This protein is very similar to thefamily member hnRPH. Multiple alternatively spliced variants,encoding the same protein, have been identified. [provided byRefSeq].

HNRPF Antibody (N-term) Blocking peptide - References

Dominguez, C., et al. Nat. Struct. Mol. Biol. 17(7):853-861(2010)Goh, E.T., et al. J. Biol. Chem. 285(22):17065-17076(2010)Van Dusen, C.M., et al. Mol. Cell. Biol. 30(10):2552-2562(2010)Lee, J.H., et al. Virology 397(1):89-99(2010)Wang, E., et al. J. Biol. Chem. 284(17):11194-11204(2009)