

HNRNPM Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP14009a**Specification**

HNRNPM Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P52272](#)**HNRNPM Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 4670**Other Names**

Heterogeneous nuclear ribonucleoprotein M, hnRNP M, HNRNPM, HNRPM, NAGR1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14009a was selected from the N-term region of HNRNPM. 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.

HNRNPM Antibody (N-term) Blocking peptide - Protein Information**Name** HNRNPM**Synonyms** HNRPM, NAGR1**Function**

Pre-mRNA binding protein in vivo, binds avidly to poly(G) and poly(U) RNA homopolymers in vitro. Involved in splicing. Acts as a receptor for carcinoembryonic antigen in Kupffer cells, may initiate a series of signaling events leading to tyrosine phosphorylation of proteins and induction of IL-1 alpha, IL-6, IL-10 and tumor necrosis factor alpha cytokines.

Cellular Location

Nucleus, nucleolus {ECO:0000269|Ref.5}.

HNRNPM Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HNRNPM Antibody (N-term) Blocking peptide - Images

HNRNPM Antibody (N-term) Blocking peptide - Background

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNA in the nucleus and appear to influence pre-mRNA processing 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. This protein also constitutes a monomer of the N-acetylglucosamine-specific receptor which is postulated to trigger selective recycling of immature GlcNAc-bearing thyroglobulin molecules. Multiple alternatively spliced transcript variants are known for this gene but only two transcripts have been isolated.

HNRNPM Antibody (N-term) Blocking peptide - References

Lleres, D., et al. EMBO Rep. 11(6):445-451(2010) Marko, M., et al. Exp. Cell Res. 316(3):390-400(2010) Russo, A., et al. Biochim. Biophys. Acta 1779(12):820-829(2008) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Huang, X., et al. Sci. China, C, Life Sci. 43(6):648-654(2000)