10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# HNRNPM Antibody (N-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP14009a**

## Specification

### HNRNPM Antibody (N-term) - Product Information

| | |
|---|---|
| Application | **WB, IHC-P,E** |
| Primary Accession | P52272 |
| Other Accession | NP_112480.2, NP_005959.2 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **77516** |
| Antigen Region | **21-50** |

### HNRNPM Antibody (N-term) - Additional Information

**Gene ID** 4670

**Other Names**
Heterogeneous nuclear ribonucleoprotein M, hnRNP M, HNRNPM, HNRPM, NAGR1

**Target/Specificity**
This HNRNPM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-50 amino acids from the N-terminal region of human HNRNPM.

**Dilution**
WB~~1:1000
IHC-P~~1:10~50

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
HNRNPM Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### HNRNPM Antibody (N-term) - 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.

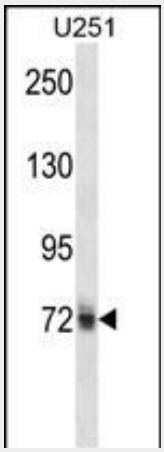
**Cellular Location**
Nucleus, nucleolus {ECO:0000269|Ref.5}.

## HNRNPM Antibody (N-term) - Protocols

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

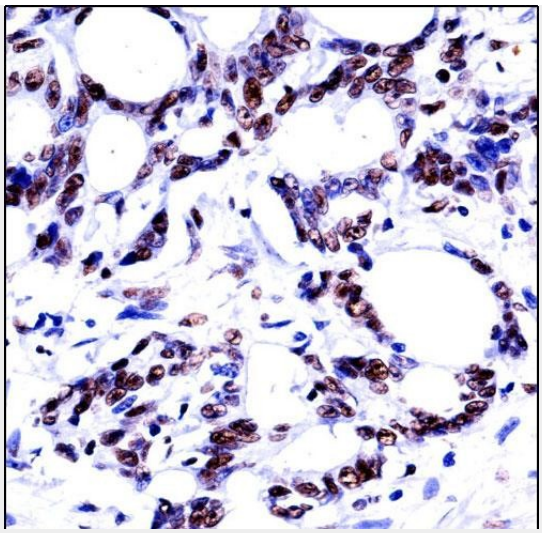
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## HNRNPM Antibody (N-term) - Images




HNRNPM Antibody (N-term) (Cat. #AP14009a) western blot analysis in U251 cell line lysates (35ug/lane).This demonstrates the HNRNPM antibody detected the HNRNPM protein (arrow).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



HNRNPM Antibody (N-term) (AP14009a)immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of HNRNPM Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

**HNRNPM Antibody (N-term) - 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-mRNAs 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 has been isolated.

**HNRNPM Antibody (N-term) - 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)