

## Product datasheet for **AP01281PU-N**

### **HNRPM (HNRNPM) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunofluorescence:</b> 1/50-1/200. <b>Immunohistochemistry on Paraffin sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 20-70 of Human hnRNP M.
Specificity:	This antibody detects endogenous levels of hnRNP- M / HNRNPM (region surrounding Pro43).
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 85 kDa
Gene Name:	heterogeneous nuclear ribonucleoprotein M
Database Link:	<a href="#">Entrez Gene 4670 Human P52272</a>



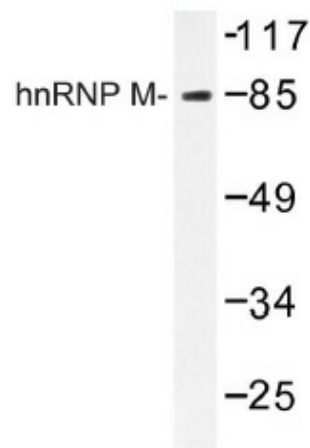
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**Background:**

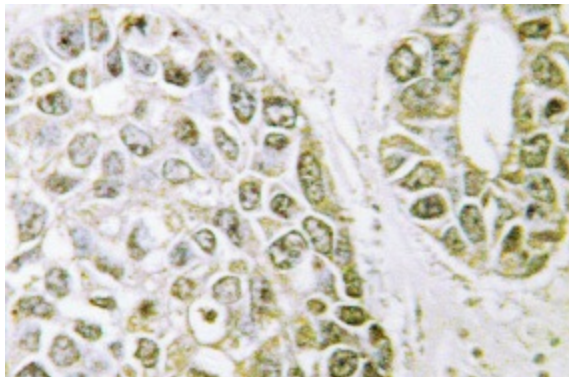
Proteins that directly bind to nascent RNA polymerase II transcripts, the heterogeneous nuclear ribonucleoproteins (hnRNPs), play an important role in both transcript-specific packaging and alternative splicing of pre-mRNAs. A group of abundant hnRNPs, the M1-M4 proteins, appear as a cluster of four proteins. The M proteins are pre-mRNA binding proteins in vivo, and they bind avidly to poly (G) and poly (U) RNA homopolymers in vitro. M proteins are members of the ribonucleoprotein consensus sequence family of RNA-binding proteins with greatest similarity to a hypothetical RNA-binding protein from *Saccharomyces cerevisiae*. The M proteins also possess an unusual hexapeptide-repeat region rich in methionine and arginine residues (MR repeat motif) that resembles a repeat in the 64 kDa subunit of cleavage stimulation factor, which is involved in 3'-end maturation of pre-mRNAs. Proteins immunologically related to M exist in divergent eukaryotes ranging from human to yeast.

**Synonyms:**

HNRPM, NAGR1, Heterogeneous nuclear ribonucleoprotein M

**Product images:**

Western blot analysis with extracts from HT-29 cells using hnRNP-M / HNRNPM antibody.



Immunohistochemical analysis in paraffin-embedded human breast carcinoma tissue using hnRNP-M / HNRNPM antibody.