

Product datasheet for **TA301557**

HNRPM (HNRNPM) Mouse Monoclonal Antibody [Clone ID: 2A6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2A6
Applications:	ICC/IF, IHC, IP, Simple Western, WB
Recommended Dilution:	Immunohistochemistry: 1:10-1:500, Immunocytochemistry/ Immunofluorescence: 1:10-1:500, Immunoprecipitation: 1:10-1:500, Western Blot: 1:1000, Immunohistochemistry-Paraffin: 1:10-1:500, Immunohistochemistry-Frozen: 1:10-1:500, Simple Western: 1:3000
Reactivity:	Human, Mouse, Rat, Bovine, Porcine, Rabbit
Host:	Mouse
Isotype:	IgG2b, kappa
Clonality:	Monoclonal
Immunogen:	M19 fusion protein containing full-length human protein.
Formulation:	Ascitic fluid and sodium azide
Purification:	Ascites
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	heterogeneous nuclear ribonucleoprotein M
Database Link:	NP_112480 Entrez Gene 76936 Mouse Entrez Gene 116655 Rat Entrez Gene 4670 Human P52272



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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 64kDa 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:

CEAR; hnRNP M; HNRNPM4; HNRPM; HNRPM4; HTGR1; NAGR1

Protein Families:

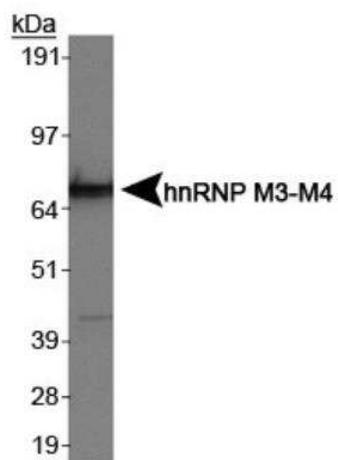
Druggable Genome

Protein Pathways:

Spliceosome

Product images:

Simple Western: hnRNP M Antibody (2A6) TA301557 - Simple Western lane view shows a specific band for hnRNP M in 0.05 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Western Blot: hnRNP M Antibody (2A6) TA301557
- Analysis of hnRNP M3-M4 in HeLa cell lysate.