

## Product datasheet for **AM20920PU-N**

### **HNRPM (HNRNPM) Mouse Monoclonal Antibody [Clone ID: 3F7]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	3F7
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunofluorescence:</b> 10 µg/ml. <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot.</b>
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant protein, HNRPM (NP_005959, 17 a.a. ~ 113 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Specificity:	This antibody reacts to Heterogeneous Nuclear Ribonucleoprotein M (HNRNPM).
Formulation:	PBS, pH 7.2 State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	heterogeneous nuclear ribonucleoprotein M
Database Link:	<u><a href="#">Entrez Gene 76936 Mouse</a></u> <u><a href="#">Entrez Gene 116655 Rat</a></u> <u><a href="#">Entrez Gene 4670 Human</a></u> <u><a href="#">P52272</a></u>



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**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.

**Synonyms:**

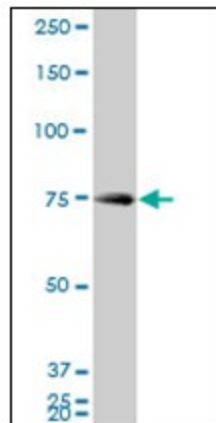
HNRPM, NAGR1, Heterogeneous nuclear ribonucleoprotein M

**Protein Families:**

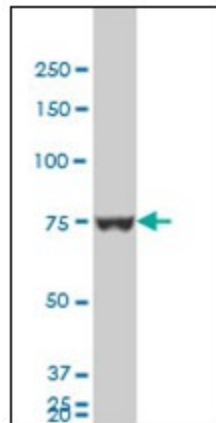
Druggable Genome

**Protein Pathways:**

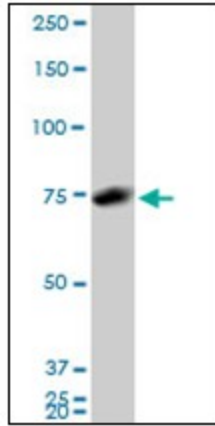
Spliceosome

**Product images:**

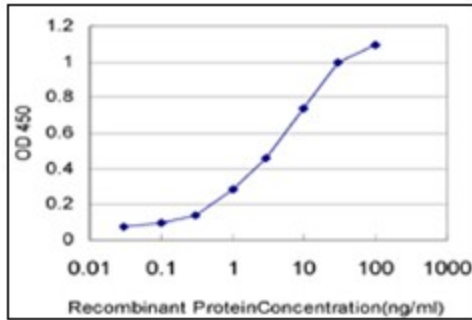
HNRPM monoclonal antibody clone 3F7. Western Blot analysis of HNRPM expression in PC-12.



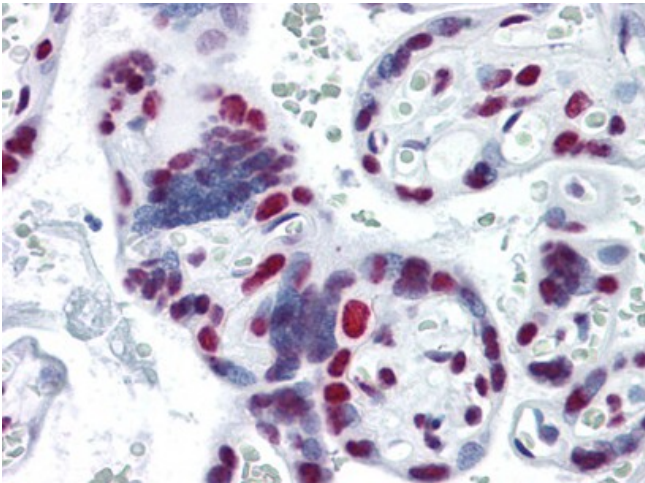
HNRPM monoclonal antibody clone 3F7 Western Blot analysis of HNRPM expression in HepG2.



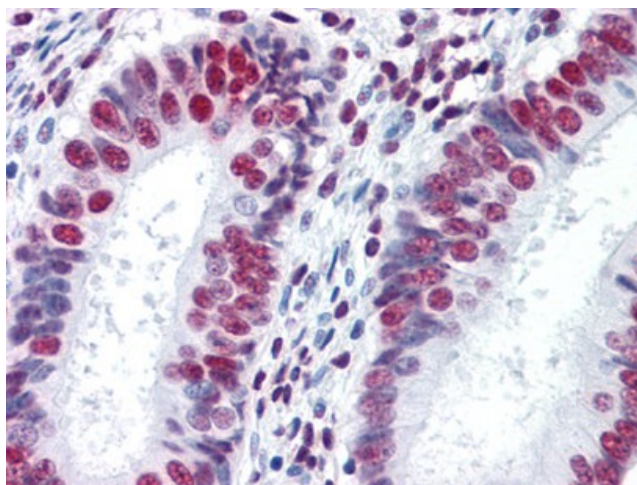
HNRPM monoclonal antibody clone 3F7. Western Blot analysis of HNRPM expression in NIH/3T3.



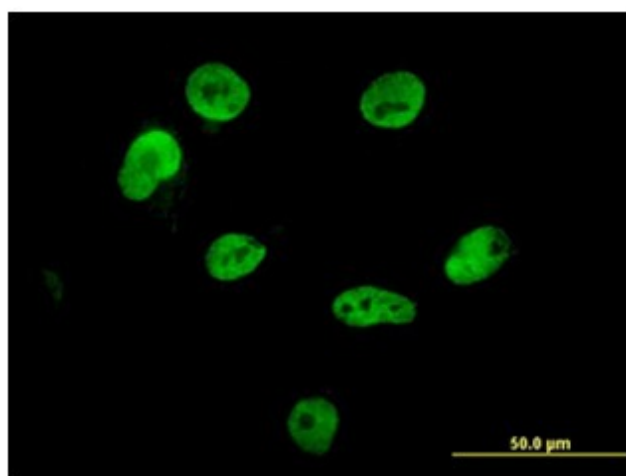
Detection limit for recombinant GST tagged HNRPM is approximately 0.1 ng/ml as a capture antibody.



Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Uterus: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence of monoclonal antibody to HNRPM on HepG2 cell (antibody concentration 10 ug/ml).