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

HNRPM Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant HNRPM.
Catalog # AT2399a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P52272
Other Accession	NM_005968
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3F7
Calculated MW	77516

Additional Information

Gene ID	4670
Other Names	Heterogeneous nuclear ribonucleoprotein M, hnRNP M, HNRNPM, HNRPM, NAGR1
Target/Specificity	HNRPM (NP_005959, 17 a.a. ~ 112 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HNRPM Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

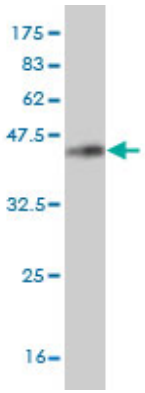
Background

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.

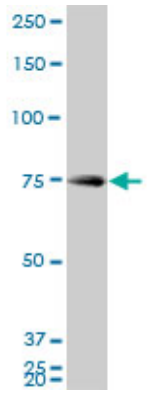
References

1.Network Clustering Revealed the Systemic Alterations of Mitochondrial Protein Expression.Jeon J, Jeong JH, Baek JH, Koo HJ, Park WH, Yang JS, Yu MH, Kim S, Pak YK.PLoS Comput Biol. 2011 Jun;7(6):e1002093. Epub 2011 Jun 30.

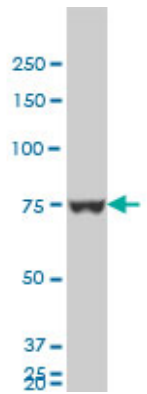
Images



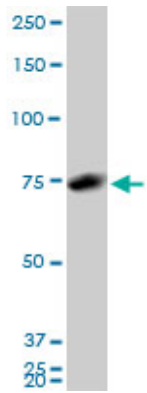
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.3 KDa) .



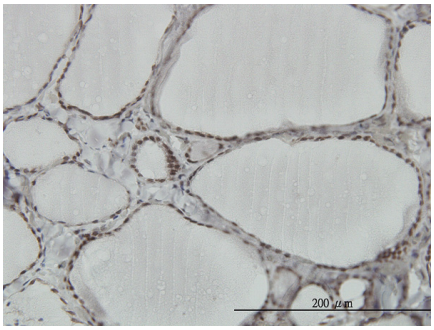
HNRPM monoclonal antibody (M03), clone 3F7. Western Blot analysis of HNRPM expression in PC-12((Cat # AT2399a)



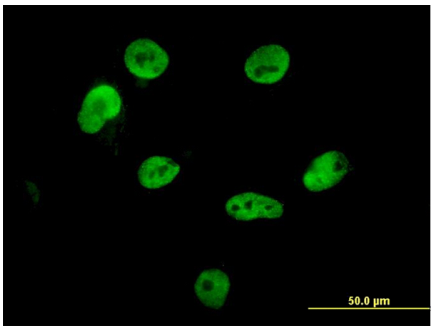
HNRPM monoclonal antibody (M03), clone 3F7 Western Blot analysis of HNRPM expression in HepG2 ((Cat # AT2399a)



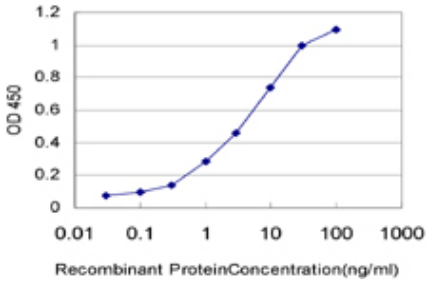
HNRPM monoclonal antibody (M03), clone 3F7. Western Blot analysis of HNRPM expression in NIH/3T3((Cat # AT2399a)



Immunoperoxidase of monoclonal antibody to HNRPM on formalin-fixed paraffin-embedded human thyroid nodular goiter. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to HNRPM on HepG2 cell. [antibody concentration 10 ug/ml]



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.