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hnRNP M Rabbit mAb

Catalog # AP75564

Product Information

Application	WB, IHC-P, FC
Primary Accession	P52272
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	77516

Additional Information

Gene ID	4670
Other Names	HNRNPM
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:50-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

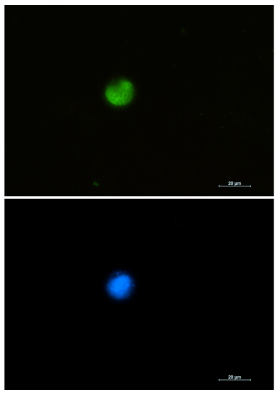
Name	HNRNPM
Synonyms	HNRPM, NAGR1
Function	Pre-mRNA binding protein in vivo, binds avidly to poly(G) and poly(U) RNA homopolymers in vitro. Involved in splicing. Acts as a receptor for carcinoembryonic antigen in Kupffer cells, may initiate a series of signaling events leading to tyrosine phosphorylation 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}.

Background

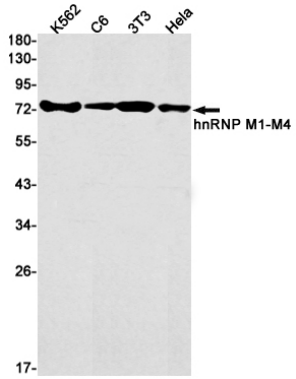
This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins

(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. Alternative splicing results in multiple transcript variants.

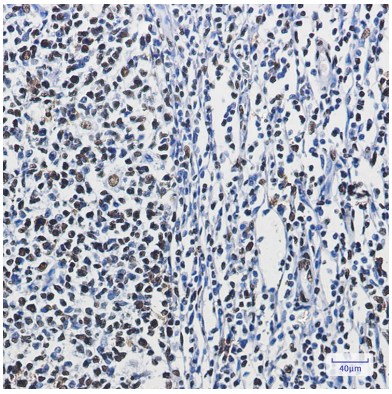
Images



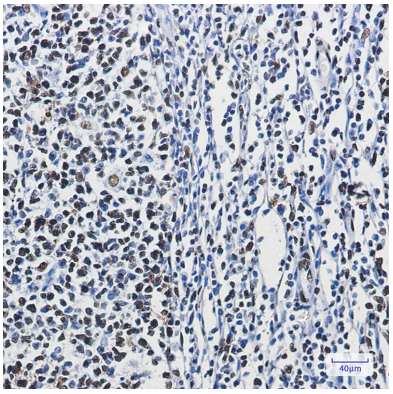
Immunocytochemistry analysis of hnRNP M (green) in 293 using hnRNP M antibody,and DAPI(blue).



Western blot analysis of hnRNP M1M4 in K562, C6, 3T3, Hela lysates using hnRNP M1M4 antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using hnRNP M1M4 antibody.
High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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