

Basic Information

Product Name	Anti-HNRNPM Antibody (Clone#OTI3F3)
Gene Name	HNRNPM
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Species Reactivity	human, mouse, rat
Tested Application	IHC, WB
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Human recombinant protein fragment corresponding to amino acids 1-261 of human HNRNPM (NP_112480) produced in E.coli.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	73 kDa
Dilution Ratios	Western blot (WB): 1:2000 Immunohistochemistry (IHC):1:150

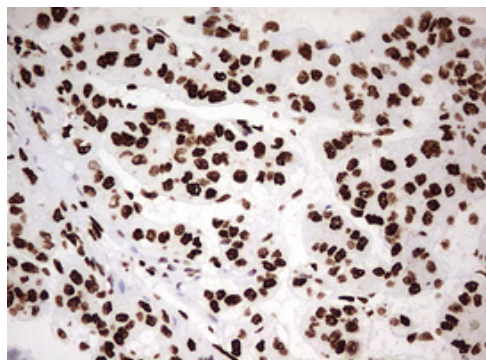
Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

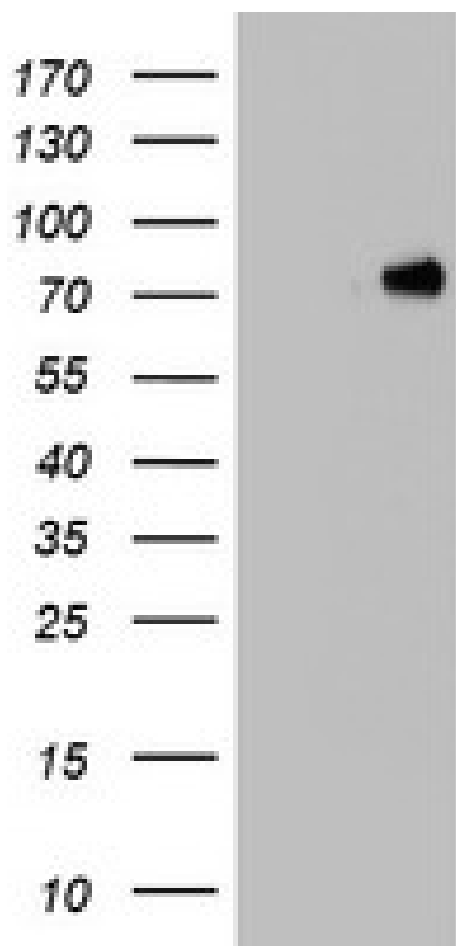
Background Information

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. [provided by RefSeq, Aug

Selected Validation Data



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-HNRNPM mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, M06017-2)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HNRNPM (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HNRNPM.