

## Datasheet

### HNRPM monoclonal antibody (M03), clone 3F7

**Catalog Number:** H00004670-M03

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant HNRPM.

**Clone Name:** 3F7

**Immunogen:** HNRPM (NP\_005959, 17 a.a. ~ 112 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

KMEEESGAPGVPSGNGAPGPKGEGERPAQNEKRKE  
KNIKRGGNRFEPYANPTKRYRAFITNIPFDVKWQSLKD  
LVKEKVGEVTYVELLMDAEGKSR

**Host:** Mouse

**Reactivity:** Human, Mouse, Rat

**Applications:** ELISA, IF, IHC-P, S-ELISA, WB-Ce, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4670

**Gene Symbol:** HNRNPM

**Gene Alias:** DKFZp547H118, HNRNPM4, HNRPM, HNRPM4, HTGR1, NAGR1

**Gene Summary:** 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. [provided by RefSeq]

**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.