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HNRNPG-T Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant HNRNPG-T.
Catalog # AT2396a

Specification

HNRNPG-T Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	O75526
Other Accession	NM_014469
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**42814**

HNRNPG-T Antibody (monoclonal) (M01) - Additional Information

Gene ID 27288

Other Names
RNA-binding motif protein, X-linked-like-2, Testis-specific heterogeneous nuclear ribonucleoprotein G-T, hnRNP G-T, RBMXL2, HNRNPGT

Target/Specificity
HNRNPG-T (NP_055284, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

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
HNRNPG-T Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

HNRNPG-T Antibody (monoclonal) (M01) - Protocols

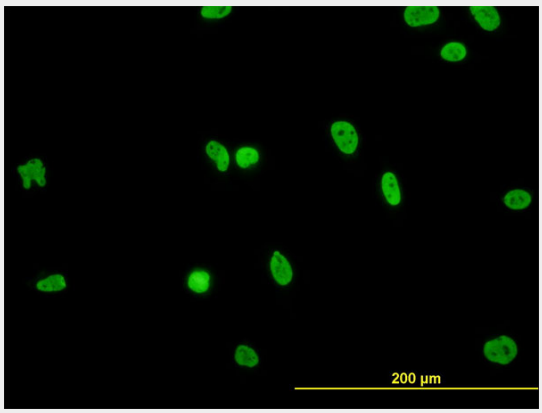
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

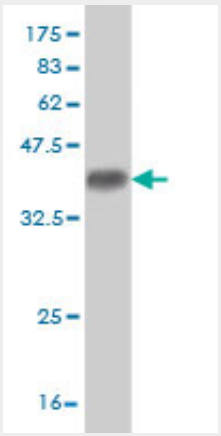
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

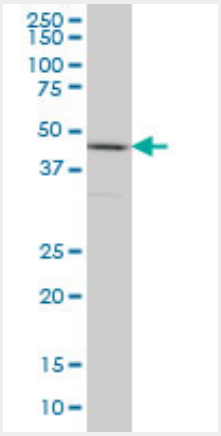
HNRNPG-T Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to HNRNPG-T on HeLa cell. [antibody concentration 10 ug/ml]

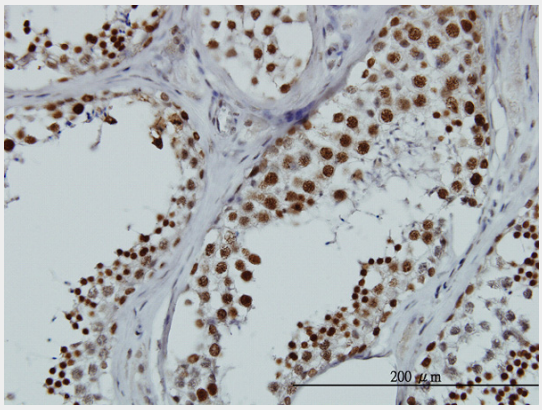


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.64 KDa) .

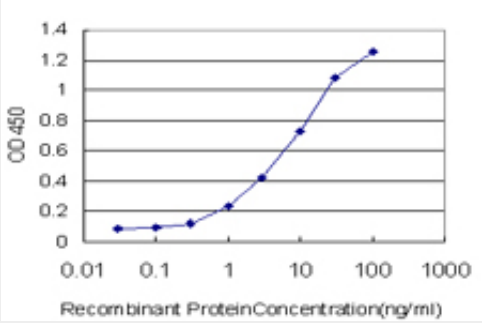


HNRNPG-T monoclonal antibody (M01), clone 6F11 Western Blot analysis of HNRNPG-T expression

in HeLa ((Cat # AT2396a)



Immunoperoxidase of monoclonal antibody to HNRNPG-T on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



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

HNRNPG-T Antibody (monoclonal) (M01) - Background

This gene belongs to the HNRPG 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 two RRM domains that bind RNAs. This gene is intronless and is thought to be derived from a processed retroposon. However, unlike many retroposon-derived genes, this gene is not a pseudogene. The encoded protein has similarity to HNRPG and RBMY proteins and it is suggested to replace HNRPG protein function during meiotic prophase or act as a germ cell-specific splicing regulator. It primarily localizes to the nuclei of meiotic spermatocytes. This gene is a candidate for autosomal male infertility.

HNRNPG-T Antibody (monoclonal) (M01) - References

The germ cell nuclear proteins hnRNP G-T and RBMY activate a testis-specific exon. Liu Y, et al. PLoS Genet, 2009 Nov. PMID 19893608.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Large-scale characterization of HeLa cell nuclear phosphoproteins. Beausoleil SA, et al. Proc Natl Acad Sci U S A, 2004 Aug 17. PMID 15302935.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.