

RBM9 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant RBM9.****Catalog # AT3594a****Specification**

RBM9 Antibody (monoclonal) (M02) - Product Information

Application	IF, WB, E
Primary Accession	O43251
Other Accession	BC013115
Reactivity	Human, Mouse
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	41374

RBM9 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 23543**Other Names**

RNA binding protein fox-1 homolog 2, Fox-1 homolog B, Hexaribonucleotide-binding protein 2, RNA-binding motif protein 9, RNA-binding protein 9, Repressor of tamoxifen transcriptional activity, RBFOX2, FOX2, HRNBP2, RBM9, RTA

Target/Specificity

RBM9 (AAH13115, 1 a.a. ~ 100 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

RBM9 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

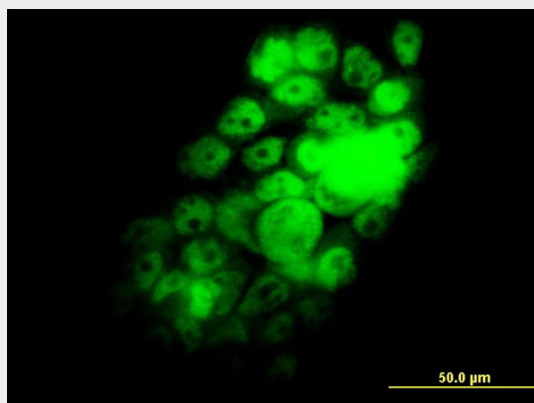
RBM9 Antibody (monoclonal) (M02) - Protocols

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

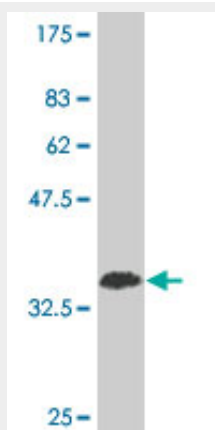
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

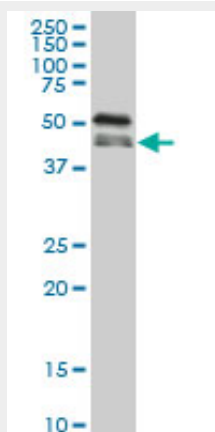
RBM9 Antibody (monoclonal) (M02) - Images



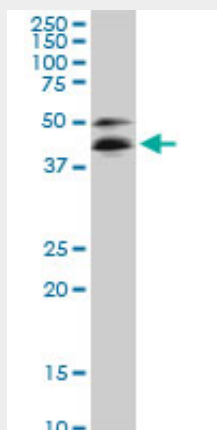
Immunofluorescence of monoclonal antibody to RBM9 on A-431 cell. [antibody concentration 10 ug/ml]



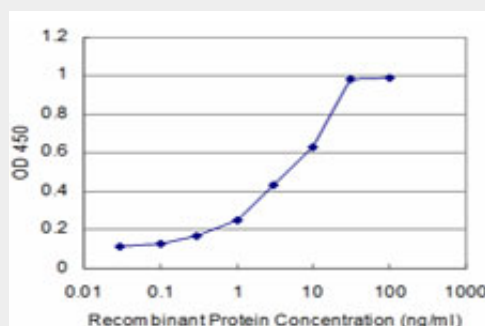
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



RBM9 monoclonal antibody (M02), clone 5E11 Western Blot analysis of RBM9 expression in A-431 (Cat # AT3594a)



RBM9 monoclonal antibody (M02), clone 5E11. Western Blot analysis of RBM9 expression in NIH/3T3 (Cat # AT3594a)



Detection limit for recombinant GST tagged RBM9 is approximately 0.1ng/ml as a capture antibody.

RBM9 Antibody (monoclonal) (M02) - Background

This gene is one of several human genes similar to the *C. elegans* gene Fox-1. This gene encodes an RNA binding protein that is thought to be a key regulator of alternative exon splicing in the nervous system and other cell types. The protein binds to a conserved UGCAUG element found downstream of many alternatively spliced exons and promotes inclusion of the alternative exon in mature transcripts. The protein also interacts with the estrogen receptor 1 transcription factor and regulates estrogen receptor 1 transcriptional activity. Multiple transcript variants encoding different isoforms have been found for this gene.

RBM9 Antibody (monoclonal) (M02) - References

Fox-2 protein regulates the alternative splicing of scleroderma-associated lysyl hydroxylase 2 messenger RNA. Seth P, et al. Arthritis Rheum, 2010 Apr. PMID 20131247. An RNA code for the FOX2 splicing regulator revealed by mapping RNA-protein interactions in stem cells. Yeo GW, et al. Nat Struct Mol Biol, 2009 Feb. PMID 19136955. Defining the regulatory network of the tissue-specific splicing factors Fox-1 and Fox-2. Zhang C, et al. Genes Dev, 2008 Sep 15. PMID 18794351. hnRNP H and hnRNP F complex with Fox2 to silence fibroblast growth factor receptor 2 exon IIIc. Mauger DM, et al. Mol Cell Biol, 2008 Sep. PMID 18573884. Repression of prespliceosome complex formation at two distinct steps by Fox-1/Fox-2 proteins. Zhou HL, et al. Mol Cell Biol, 2008 Sep. PMID 18573872.