

RBM9 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant RBM9.

Catalog # AT3594a

Product Information

Application	WB, IF, E
Primary Accession	O43251
Other Accession	BC013115
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	5E12
Calculated MW	41374

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 IF~~1:50~200 E~~N/A
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.

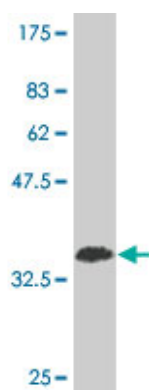
Background

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.

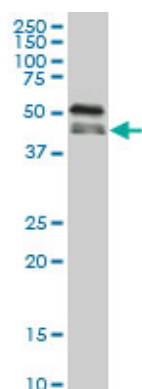
References

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.

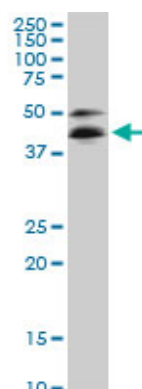
Images



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

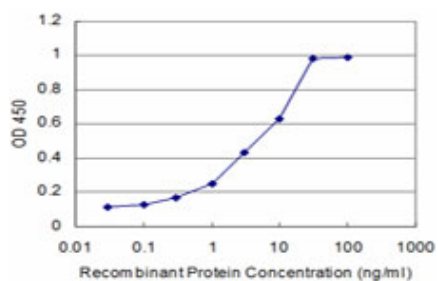
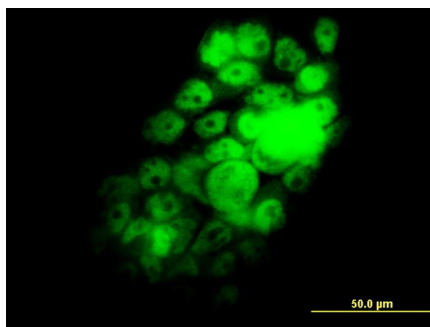


RBM9 monoclonal antibody (M02), clone 5E11 Western Blot analysis of RBM9 expression in A-431 (Cat # AT3594a)



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

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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.