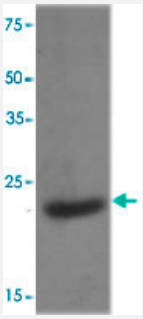
RBM8A monoclonal antibody, clone 4C4

Catalog # MAB2484 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot of RBM8A monoclonal antibody, clone 4C4 (Cat # MAB2484) on HeLa cell extract.

Specification

Product Description	Mouse monoclonal antibody raised against RBM8A.
Immunogen	Human RBM8A.
Host	Mouse
Theoretical MW (kDa)	22
Reactivity	Clawed frog, Human
Specificity	Detects a band of approximately 22 KDa.
Form	Liquid
Isotype	IgG2b
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot of RBM8A monoclonal antibody, clone 4C4 (Cat # MAB2484) on HeLa cell extract.

- Immunofluorescence
- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay

Gene Info — RBM8A

Entrez GeneID	9939
Gene Name	RBM8A
Gene Alias	BOV-1A, BOV-1B, BOV-1C, MDS014, RBM8, RBM8B, Y14, ZNRP, ZRNP1
Gene Description	RNA binding motif protein 8A
Omim ID	605313
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein with a conserved RNA-binding motif. The protein is found predomin antly in the nucleus, although it is also present in the cytoplasm. It is preferentially associated with mRNAs produced by splicing, including both nuclear mRNAs and newly exported cytoplasmic mR NAs. It is thought that the protein remains associated with spliced mRNAs as a tag to indicate wh ere introns had been present, thus coupling pre- and post-mRNA splicing events. Previously, it wa s thought that two genes encode this protein, RBM8A and RBM8B; it is now thought that the RBM 8B locus is a pseudogene. Two alternative start codons result in two forms of the protein, and this gene also uses multiple polyadenylation sites. [provided by RefSeq
Other Designations	OTTHUMP00000015573|RNA binding motif protein 8B|binder of OVCA1-1|ribonucleoprotein RB M8

Publication Reference

- An interaction between eIF4A3 and eIF3g drives the internal initiation of translation.

  Jeeyoon Chang, Min-Kyung Shin, Joori Park, Hyun Jung Hwang, Nicolas Locker, Junhak Ahn, Doyeon Kim, Daehyun Baek, Yeonkyoung Park, Yujin Lee, Sung Ho Boo, Hyeong-In Kim, Yoon Ki Kim.

  Nucleic Acids Research 2023 Nov; 51(20):10950.

  Application: IP, WB, Human, HEK293T, HeLa cells

- Nonsense-mediated mRNA Decay Factor UPF1 Promotes Aggresome Formation.

  Yeonkyoung Park, Joori Park, Hyun Jung Hwang, Byungju Kim, Kwon Jeong, Jeeyoon Chang, Jong-Bong Lee, Yoon Ki Kim.

  Nature Communications 2020 Jun; 11(1):3106.

  Application: WB-Tr, Human, HeLa cells

- Staufen1 and UPF1 exert opposite actions on the replacement of the nuclear cap-binding complex by eIF4E at the 5' end of mRNAs.

  Jeong K, Ryu I, Park J, Hwang HJ, Ha H, Park Y, Oh ST, Kim YK.

  Nucleic Acids Research 2019 Sep; 47(17):9313.

  Application: IP, WB-Tr, Human, HEK 293T cells

- eIF4A3 Phosphorylation by CDKs Affects NMD during the Cell Cycle.

  Ryu I, Won YS, Ha H, Kim E, Park Y, Kim MK, Kwon DH, Choe J, Song HK, Jung H, Kim YK.

  Cell Reports 2019 Feb; 26(8):2126.

  Application: WB, Human, HeLa, HEK 293T cells

- The upstream open reading frame of cyclin-dependent kinase inhibitor 1A mRNA negatively regulates translation of the downstream main open reading frame.

  Kim KM, Cho H, Kim YK.

  Biochemical and Biophysical Research Communications 2012 Aug; 424(3):469.

  Application: WB, Human, HeLa cells

- Pre-mRNA splicing imprints mRNA in the nucleus with a novel RNA-binding protein that persists in the cytoplasm.

  Kataoka N, Yong J, Kim VN, Velazquez F, Perkinson RA, Wang F, Dreyfuss G.

  Molecular Cell 2000 Sep; 6(3):673.

  Application: IF, IP, WB-Ce, Human, HeLa cells