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RBM10 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16051A

Specification

RBM10 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P98175
Other Accession	Q99KG3, NP_005667.2, NP_690595.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**103533**
Antigen Region	**85-113**

RBM10 Antibody (N-term) - Additional Information

Gene ID 8241

Other Names
RNA-binding protein 10, G patch domain-containing protein 9, RNA-binding motif protein 10, RNA-binding protein S1-1, S1-1, RBM10, DXS8237E, GPATC9, GPATCH9, KIAA0122

Target/Specificity
This RBM10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-113 amino acids from the N-terminal region of human RBM10.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RBM10 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RBM10 Antibody (N-term) - Protein Information

Name RBM10 (HGNC:9896)

Function Binds to ssRNA containing the consensus sequence 5'-AGGUAA-3' (PubMed:21256132). May be involved in post-transcriptional processing, most probably in mRNA splicing (PubMed:18315527). Binds to RNA homopolymers, with a preference for poly(G) and poly(U) and little for poly(A) (By similarity). May bind to specific miRNA hairpins (PubMed:28431233).

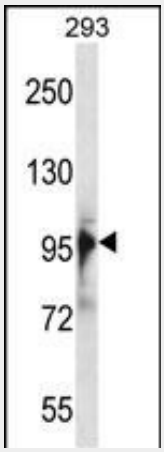
Cellular Location
Nucleus. Note=In the extranucleolar nucleoplasm constitutes hundreds of nuclear domains, which dynamically change their structures in a reversible manner. Upon globally reducing RNA polymerase II transcription, the nuclear bodies enlarge and decrease in number. They occur closely adjacent to nuclear speckles or IGCs (interchromatin granule clusters) but coincide with TIDRs (transcription-inactivation-dependent RNA domains)

RBM10 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RBM10 Antibody (N-term) - Images



RBM10 Antibody (N-term) (Cat. #AP16051a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the RBM10 antibody detected the RBM10 protein (arrow).

RBM10 Antibody (N-term) - Background

The protein encoded by this gene contains RNA recognition motif found in a variety of RNA binding proteins, including various hnRNP proteins, proteins implicated in regulation of alternative splicing, and protein components of snRNPs. In vitro studies showed that the rat homolog bound to RNA homopolymers, with a preference for G and U polyribonucleotides. This gene is part of a gene cluster on chromosome Xp11.23, and its 3' end lies within 20 kb upstream of UBE1. Two transcript variants encoding different

isoforms have been identified for this gene.

RBM10 Antibody (N-term) - References

Johnston, J.J., et al. Am. J. Hum. Genet. 86(5):743-748(2010)
Inoue, A., et al. Biol. Cell 100(9):523-535(2008)
Dephoure, N., et al. Proc. Natl. Acad. Sci. U.S.A. 105(31):10762-10767(2008)
Martin-Garabato, E., et al. Cancer Genomics Proteomics 5 (3-4), 169-173 (2008) :
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)