

Datasheet for ABIN6244063
anti-RBMX antibody (AA 262-294)



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2 Images

Overview

Quantity:	400 µL
Target:	RBMX
Binding Specificity:	AA 262-294
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RBMX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This RBMX antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 262-294 amino acids from the Central region of human RBMX.
Clone:	RB53803
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RBMX
Alternative Name:	RBMX (RBMX Products)
Background:	RNA-binding protein that plays several role in the regulation of pre- and post-transcriptional

Target Details

processes. Implicated in tissue-specific regulation of gene transcription and alternative splicing of several pre-mRNAs. Binds to and stimulates transcription from the tumor suppressor TXNIP gene promoter, may thus be involved in tumor suppression. When associated with SAFB, binds to and stimulates transcription from the SREBF1 promoter. Associates with nascent mRNAs transcribed by RNA polymerase II. Component of the supraspliceosome complex that regulates pre-mRNA alternative splice site selection. Can either activate or suppress exon inclusion, acts additively with TRA2B to promote exon 7 inclusion of the survival motor neuron SMN2. Represses the splicing of MAPT/Tau exon 10. Binds preferentially to single-stranded 5'-CC[A/C]-rich RNA sequence motifs localized in a single-stranded conformation, probably binds RNA as a homodimer. Binds non-specifically to pre-mRNAs. Plays also a role in the cytoplasmic TNFR1 trafficking pathways, promotes both the IL-1- β -mediated inducible proteolytic cleavage of TNFR1 ectodomains and the release of TNFR1 exosome-like vesicles to the extracellular compartment.

Molecular Weight: 42332

UniProt: [P38159](#)

Pathways: [Chromatin Binding](#), [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Application Notes: WB: 1:1000-1:2000. IHC-P: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

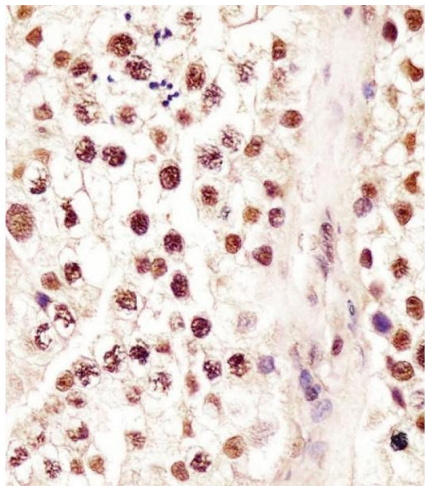
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

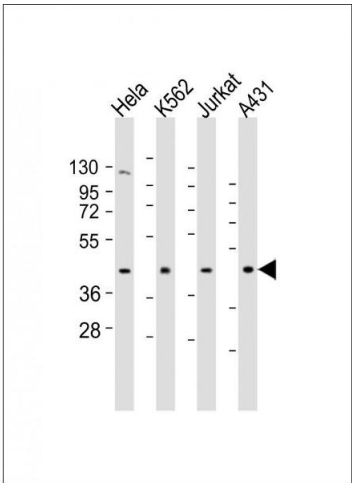
Storage: 4 °C,-20 °C

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (ABIN6244063 and ABIN6578228) staining RBMX in human testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0. 5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Western Blotting

Image 2. All lanes : Anti-RBMX Antibody (Center) at 1:1000-1:2000 dilution Lane 1: HeLa whole cell lysates Lane 2: K562 whole cell lysates Lane 3: Jurkat whole cell lysates Lane 4: A431 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 42 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.