

**RBMX Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP21472c****Specification**

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**RBMX Blocking Peptide (Center) - Product Information**Primary Accession [P38159](#)**RBMX Blocking Peptide (Center) - Additional Information****Gene ID** 27316**Other Names**

RNA-binding motif protein, X chromosome, Glycoprotein p43, Heterogeneous nuclear ribonucleoprotein G, hnRNP G, RNA-binding motif protein, X chromosome, N-terminally processed, RBMX, HNRPG, RBMXP1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 222-232 of HUMAN RBMX

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RBMX Blocking Peptide (Center) - Protein Information****Name** RBMX**Synonyms** HNRPG, RBMXP1**Function**

RNA-binding protein that plays several role in the regulation of pre- and post-transcriptional 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. Also plays a role in the cytoplasmic TNFR1 trafficking pathways;

promotes both the IL-1-beta-mediated inducible proteolytic cleavage of TNFR1 ectodomains and the release of TNFR1 exosome-like vesicles to the extracellular compartment.

**Cellular Location**

Nucleus. Note=Component of ribonucleosomes Localizes in numerous small granules in the nucleus

**Tissue Location**

Expressed strongly in oral keratinocytes, but only weakly detected in oral squamous cell carcinomas (at protein level)

**RBMX Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

**RBMX Blocking Peptide (Center) - Images****RBMX Blocking Peptide (Center) - Background**

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**RBMX Blocking Peptide (Center) - References**

Soulard M.,et al.Nucleic Acids Res. 21:4210-4217(1993).  
Venables J.P.,et al.Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.  
Lingenfelter P.A.,et al.Mamm. Genome 12:538-545(2001).  
Lin T.-Y.,et al.Submitted (NOV-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).