

**RB15B Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP5256b****Specification**

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**RB15B Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q8NDT2](#)**RB15B Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 29890**Other Names**

Putative RNA-binding protein 15B, One-twenty two protein 3, HuOTT3, RNA-binding motif protein 15B, RBM15B, OTT3

**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.

**RB15B Antibody (C-term) Blocking Peptide - Protein Information****Name** RB15B**Function**

RNA-binding protein that acts as a key regulator of N6- methyladenosine (m6A) methylation of RNAs, thereby regulating different processes, such as alternative splicing of mRNAs and X chromosome inactivation mediated by Xist RNA (PubMed:<a href="http://www.uniprot.org/citations/16129689" target="\_blank">16129689</a>, PubMed:<a href="http://www.uniprot.org/citations/27602518" target="\_blank">27602518</a>). Associated component of the WMM complex, a complex that mediates N6- methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing (PubMed:<a href="http://www.uniprot.org/citations/27602518" target="\_blank">27602518</a>). Plays a key role in m6A methylation, possibly by binding target RNAs and recruiting the WMM complex (PubMed:<a href="http://www.uniprot.org/citations/27602518" target="\_blank">27602518</a>). Involved in random X inactivation mediated by Xist RNA: acts by binding Xist RNA and recruiting the WMM complex, which mediates m6A methylation, leading to target YTHDC1 reader on Xist RNA and promoting transcription repression activity of Xist (PubMed:<a href="http://www.uniprot.org/citations/27602518" target="\_blank">27602518</a>). Functions in the regulation of alternative or illicit splicing, possibly by regulating m6A methylation (PubMed:<a href="http://www.uniprot.org/citations/16129689" target="\_blank">16129689</a>). Inhibits

pre-mRNA splicing (PubMed:<a href="http://www.uniprot.org/citations/21044963" target="\_blank">21044963</a>). Also functions as a mRNA export factor by acting as a cofactor for the nuclear export receptor NXF1 (PubMed:<a href="http://www.uniprot.org/citations/19586903" target="\_blank">19586903</a>).

**Cellular Location**

Nucleus, nucleoplasm. Nucleus speckle. Nucleus envelope. Note=Colocalizes with BMLF1 in the nucleus. Localized in the nucleoplasm with a granular staining pattern and excluded from the nucleoli.

**Tissue Location**

Ubiquitously expressed.

**RB15B Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**RB15B Antibody (C-term) Blocking Peptide - Images****RB15B Antibody (C-term) Blocking Peptide - Background**

RB15B is members of the SPEN (Split-end) family of proteins, including RBM15B, have repressor function in several signaling pathways and may bind to RNA through interaction with spliceosome components.

**RB15B Antibody (C-term) Blocking Peptide - References**

Uranishi, H., et al. J. Biol. Chem. 284(38):26106-26116(2009) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006)