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RB15B Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP5256b

Specification

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:16129689, PubMed:27602518). 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:27602518). Plays a key role in m6A methylation, possibly by binding target RNAs and recruiting the WMM complex (PubMed:27602518). 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:27602518). Functions in the regulation of alternative or illicit splicing, possibly by regulating m6A methylation (PubMed:16129689). Inhibits

pre-mRNA splicing (PubMed:21044963). Also functions as a mRNA export factor by acting as a cofactor for the nuclear export receptor NXF1 (PubMed:19586903).

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)