

RPR1B Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9920b**Specification**

RPR1B Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9NOG5](#)**RPR1B Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 58490**Other Names**

Regulation of nuclear pre-mRNA domain-containing protein 1B, Cell cycle-related and expression-elevated protein in tumor, RPRD1B, C20orf77, CREPT

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.

RPR1B Antibody (C-term) Blocking Peptide - Protein Information**Name** RPRD1B**Synonyms** C20orf77, CREPT**Function**

Interacts with phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and participates in dephosphorylation of the CTD by RPAP2. Transcriptional regulator which enhances expression of CCND1. Promotes binding of RNA polymerase II to the CCND1 promoter and to the termination region before the poly-A site but decreases its binding after the poly-A site. Prevents RNA polymerase II from reading through the 3' end termination site and may allow it to be recruited back to the promoter through promotion of the formation of a chromatin loop. Also enhances the transcription of a number of other cell cycle-related genes including CDK2, CDK4, CDK6 and cyclin-E but not CDKN1A, CDKN1B or cyclin-A. Promotes cell proliferation.

Cellular Location

Nucleus

Tissue Location

Preferentially expressed in a range of tumor tissues including colon, lung, liver, breast, prostate,

stomach, uterine endometrium and cervical cancers with higher levels in tumors than in adjacent non-tumor tissue (at protein level)

RPR1B Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RPR1B Antibody (C-term) Blocking Peptide - Images

RPR1B Antibody (C-term) Blocking Peptide - References

Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)Olsen, J.V., et al. Cell 127(3):635-648(2006)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)