

CDC2L5 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7514a**Specification**

CDC2L5 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q14004](#)**CDC2L5 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 8621**Other Names**

Cyclin-dependent kinase 13, CDC2-related protein kinase 5, Cell division cycle 2-like protein kinase 5, Cell division protein kinase 13, hCDK13, Cholinesterase-related cell division controller, CDK13, CDC2L, CDC2L5, CHED, KIAA1791

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7514a](/product/products/AP7514a) was selected from the N-term region of human CDC2L5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

CDC2L5 Antibody (N-term) Blocking Peptide - Protein Information**Name** CDK13**Synonyms** CDC2L, CDC2L5, CHED, KIAA1791**Function**

Cyclin-dependent kinase which displays CTD kinase activity and is required for RNA splicing. Has CTD kinase activity by hyperphosphorylating the C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit RPB1, thereby acting as a key regulator of transcription elongation. Required for RNA splicing, probably by phosphorylating SRSF1/SF2. Required during hematopoiesis. In case of infection by HIV-1 virus, interacts with HIV-1 Tat protein acetylated at 'Lys-50' and 'Lys-51', thereby increasing HIV-1 mRNA splicing and promoting the production of the doubly spliced HIV-1 protein Nef.

Cellular Location

Nucleus speckle.

Tissue Location

Expressed in fetal brain, liver, muscle and in adult brain. Also expressed in neuroblastoma and glioblastoma tumors

CDC2L5 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CDC2L5 Antibody (N-term) Blocking Peptide - Images**CDC2L5 Antibody (N-term) Blocking Peptide - Background**

CDC2L5, a member of the CDC2/CDKX subfamily of Ser/Thr protein kinases, may be a controller of the mitotic cell cycle. This protein is involved in the blood cell development. Expression is found in fetal brain, liver, muscle and in adult brain, and also in neuroblastoma and glioblastoma tumors.

CDC2L5 Antibody (N-term) Blocking Peptide - References

Lapidot-Lifson, Y., et al., Proc. Natl. Acad. Sci. U.S.A. 89(2):579-583 (1992).