

CDC2L1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7513a**Specification**

CDC2L1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P21127](#)**CDC2L1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 984**Other Names**

Cyclin-dependent kinase 11B, Cell division cycle 2-like protein kinase 1, CLK-1, Cell division protein kinase 11B, Galactosyltransferase-associated protein kinase p58/GTA, PITSLRE serine/threonine-protein kinase CDC2L1, p58 CLK-1, CDK11B, CDC2L1, CDK11, PITSLREA, PK58

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7513a](/product/products/AP7513a) was selected from the N-term region of human CDC2L1. 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.

CDC2L1 Antibody (N-term) Blocking Peptide - Protein Information**Name** CDK11B**Synonyms** CDC2L1, CDK11, PITSLREA, PK58**Function**

Plays multiple roles in cell cycle progression, cytokinesis and apoptosis. Involved in pre-mRNA splicing in a kinase activity- dependent manner. Isoform 7 may act as a negative regulator of normal cell cycle progression.

Cellular Location

Cytoplasm. Nucleus.

Tissue Location

Expressed ubiquitously. Some evidence of isoform- specific tissue distribution.

CDC2L1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CDC2L1 Antibody (N-term) Blocking Peptide - Images

CDC2L1 Antibody (N-term) Blocking Peptide - Background

CDC2L1 is a member of the p34Cdc2 protein kinase family. p34Cdc2 kinase family members are known to be essential for eukaryotic cell cycle control. The gene is in close proximity to CDC2L2, a nearly identical gene in the same chromosomal region. The gene loci including this gene, CDC2L2, as well as metalloprotease MMP21/22, consist of two identical, tandemly linked genomic regions which are thought to be a part of the larger region that has been duplicated. The genes for CDC2L1 and CDC2L2 were shown to be deleted or altered frequently in neuroblastoma with amplified MYCN genes. The protein is cleavable by caspases and has been demonstrated to play roles in cell apoptosis.

CDC2L1 Antibody (N-term) Blocking Peptide - References

Zhang, S., et al., J. Biol. Chem. 277(38):35314-35322 (2002).Cornelis, S., et al., Mol. Cell 5(4):597-605 (2000).Gururajan, R., et al., Genome Res. 8(9):929-939 (1998).Beyaert, R., et al., J. Biol. Chem. 272(18):11694-11697 (1997).White, P.S., et al., Proc. Natl. Acad. Sci. U.S.A. 92(12):5520-5524 (1995).