

CLK1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7529a**Specification**

CLK1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P49759](#)
Other Accession [CLK1_HUMAN](#)

CLK1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 1195

Other Names

Dual specificity protein kinase CLK1, CDC-like kinase 1, CLK1, CLK

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7529a](/product/products/AP7529a) was selected from the N-term region of human CLK1. 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.

CLK1 Antibody (N-term) Blocking Peptide - Protein Information

Name CLK1 ([HGNC:2068](#))

Synonyms CLK

Function

Dual specificity kinase acting on both serine/threonine and tyrosine-containing substrates. Phosphorylates serine- and arginine- rich (SR) proteins of the spliceosomal complex and may be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing. Phosphorylates: SRSF1, SRSF3 and PTPN1 (PubMed: [10480872](http://www.uniprot.org/citations/10480872), PubMed: [19168442](http://www.uniprot.org/citations/19168442)). Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells (PubMed: [19168442](http://www.uniprot.org/citations/19168442)).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P22518}.

Tissue Location

Endothelial cells..

CLK1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CLK1 Antibody (N-term) Blocking Peptide - Images**CLK1 Antibody (N-term) Blocking Peptide - Background**

This gene encodes a member of the CDC2-like (or LAMMER) family of dual specificity protein kinases. In the nucleus, the encoded protein phosphorylates serine/arginine-rich proteins involved in pre-mRNA processing, releasing them into the nucleoplasm. The choice of splice sites during pre-mRNA processing may be regulated by the concentration of transacting factors, including serine/arginine rich proteins. Therefore, the encoded protein may play an indirect role in governing splice site selection.

CLK1 Antibody (N-term) Blocking Peptide - References

Prasad, J., et al., Mol. Cell. Biol. 23(12):4139-4149 (2003).Talmadge, C.B., et al., Hum. Genet. 103(4):523-524 (1998).Hanes, J., et al., J. Mol. Biol. 244(5):665-672 (1994).Johnson, K.W., et al., J. Biol. Chem. 266(6):3402-3407 (1991).Ben-David, Y., et al., EMBO J. 10(2):317-325 (1991).