

CLK1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7529a**Specification**

CLK1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P49759
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	57291
Antigen Region	70-99

CLK1 Antibody (N-term) - Additional Information**Gene ID** 1195**Other Names**

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

Target/Specificity

This CLK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-99 amino acids from the N-terminal region of human CLK1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CLK1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CLK1 Antibody (N-term) - 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](#), PubMed:[19168442](#)). Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells (PubMed:[19168442](#)).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P22518}.

Tissue Location

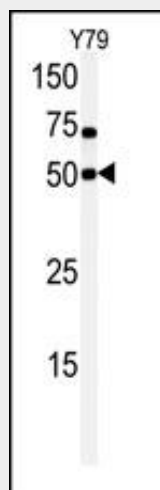
Endothelial cells..

CLK1 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CLK1 Antibody (N-term) - Images



Western blot analysis of anti-hCLK1-C84 Pab (Cat. #AP7529a) in Y79 cell line lysate. hCLK1-C84 (arrow) was detected using the purified Pab.

CLK1 Antibody (N-term) - 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) - 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).