

**Mouse Clk2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14614a****Specification**

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**Mouse Clk2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O35491](#)**Mouse Clk2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 12748**Other Names**

Dual specificity protein kinase CLK2, CDC-like kinase 2, Clk2

**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.

**Mouse Clk2 Antibody (N-term) Blocking Peptide - Protein Information****Name** Clk2**Function**

Dual specificity kinase acting on both serine/threonine and tyrosine-containing substrates. Phosphorylates serine- and arginine- rich (SR) proteins of the spliceosomal complex. May be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing and can cause redistribution of SR proteins from speckles to a diffuse nucleoplasmic distribution. Acts as a suppressor of hepatic gluconeogenesis and glucose output by repressing PPARGC1A transcriptional activity on gluconeogenic genes via its phosphorylation. Phosphorylates PPP2R5B thereby stimulating the assembly of PP2A phosphatase with the PPP2R5B-AKT1 complex leading to dephosphorylation of AKT1. Phosphorylates: PTPN1, SRSF1 and SRSF3. Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells. Phosphorylates PAGE4 at several serine and threonine residues and this phosphorylation attenuates the ability of PAGE4 to potentiate the transcriptional activator activity of JUN (By similarity).

**Cellular Location**

Nucleus. Nucleus speckle. Note=Inhibition of phosphorylation at Ser-141 results in accumulation in the nuclear speckle

## **Mouse Clk2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **Mouse Clk2 Antibody (N-term) Blocking Peptide - Images**

## **Mouse Clk2 Antibody (N-term) Blocking Peptide - Background**

Phosphorylates serine-and arginine-rich (SR) proteins of the spliceosomal complex may be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing. Phosphorylates serines, threonines and tyrosines.