

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

Mouse Clk2 Antibody (N-term) Blocking Peptide - Product InformationPrimary 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.