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Mouse Clk4 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP14615a

Specification

Mouse Clk4 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O35493

Mouse Clk4 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 12750

Other Names
Dual specificity protein kinase CLK4, CDC-like kinase 4, Clk4

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 Clk4 Antibody (N-term) Blocking Peptide - Protein Information

Name Clk4

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 and SRSF3. Required for the regulation of alternative splicing of MAPT/TAU. Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells.

Cellular Location
Nucleus.

Tissue Location
Expressed in the hippocampus, the cerebellum and the olfactory bulb.

Mouse Clk4 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

Mouse Clk4 Antibody (N-term) Blocking Peptide - Images

Mouse Clk4 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. Required for the regulation of alternative splicing of MAPT/TAU.

Mouse Clk4 Antibody (N-term) Blocking Peptide - References

Katsu, R., et al. J. Biol. Chem. 277(46):44220-44228(2002)Hartmann, A.M., et al. Mol. Cell. Neurosci. 18(1):80-90(2001)Watkins-Chow, D.E., et al. Genomics 45(1):147-157(1997)Nayler, O., et al. Biochem. J. 326 (PT 3), 693-700 (1997) :