

**Mouse Clk2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14614a**

**Specification**

---

**Mouse Clk2 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O35491</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59987
Antigen Region	66-93

**Mouse Clk2 Antibody (N-term) - Additional Information**

**Gene ID** 12748

**Other Names**

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

**Target/Specificity**

This Mouse Clk2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-93 amino acids from the N-terminal region of mouse Clk2.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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**

Mouse Clk2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Clk2 Antibody (N-term) - 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

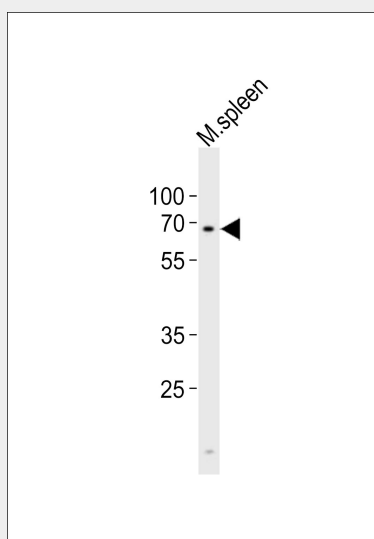
Nucleus. Nucleus speckle. Note=Inhibition of phosphorylation at Ser-141 results in accumulation in the nuclear speckle

#### Mouse Clk2 Antibody (N-term) - Protocols

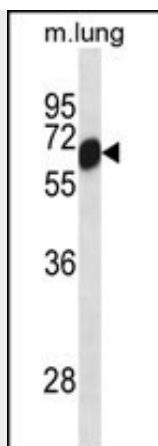
Provided below are standard protocols that you may find useful for product applications.

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

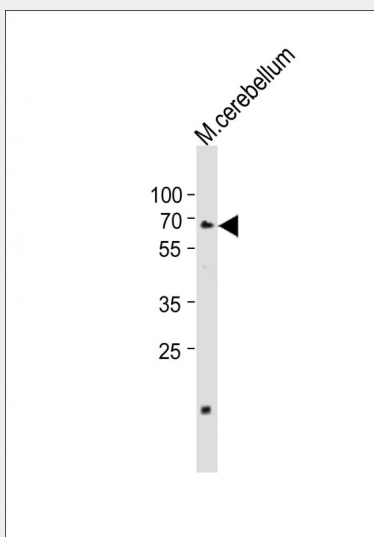
#### Mouse Clk2 Antibody (N-term) - Images



Western blot analysis of lysate from mouse spleen tissue lysate, using Clk2 Antibody (N-term)(Cat. #AP14614a). AP14614a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



Mouse Clk2 Antibody (N-term) (Cat. #AP14614a) western blot analysis in mouse lung tissue lysates (35ug/lane). This demonstrates the Clk2 antibody detected the Clk2 protein (arrow).



Anti-Clk2 Antibody (N-term) at 1:1000 dilution + mouse cerebellum lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

### Mouse Clk2 Antibody (N-term) - 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.