10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Clk1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14613a

Product Information

Application	WB, E
Primary Accession	P22518
Reactivity	Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34744
Calculated MW	57093
Antigen Region	53-80

Additional Information

Gene ID	12747
Other Names	Dual specificity protein kinase CLK1, CDC-like kinase 1, Protein kinase STY, Clk1, Clk, Sty
Target/Specificity	This Mouse Clk1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-80 amino acids from the N-terminal region of mouse 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 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 Clk1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

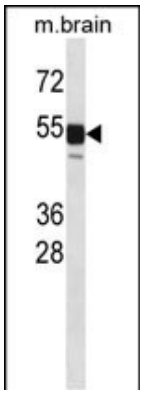
Name	Clk1 {ECO:0000312|MGI:MGI:107403}
Function	Dual specificity kinase acting on both serine/threonine and tyrosine-containing substrates (PubMed:1825055, PubMed:1986248, PubMed:9307018). Phosphorylates serine- and arginine-rich (SR) proteins of

	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:8617202, PubMed:9307018). Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells (By similarity).
Cellular Location	Nucleus

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.

Images



Mouse Clk1 Antibody (N-term) (Cat. #AP14613a) western blot analysis in mouse brain tissue lysates (35ug/lane).This demonstrates the Clk1 antibody detected the Clk1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.