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DCLK1 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8593b

Product Information

Application	WB, E
Primary Accession	O15075
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	1751CT665.1.72
Calculated MW	82224

Additional Information

Gene ID	9201
Other Names	Serine/threonine-protein kinase DCLK1, 2.7.11.1, Doublecortin domain-containing protein 3A, Doublecortin-like and CAM kinase-like 1, Doublecortin-like kinase 1, DCLK1, DCAMKL1, DCDC3A, KIAA0369
Target/Specificity	This DCLK1 antibody is generated from a mouse immunized with a recombinant protein of human DCLK1.
Dilution	WB~~1:4000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
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	DCLK1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DCLK1
Synonyms	DCAMKL1, DCDC3A, KIAA0369
Function	Probable kinase that may be involved in a calcium-signaling pathway controlling neuronal migration in the developing brain. May also participate in

functions of the mature nervous system.

Tissue Location

In fetal tissues, highly expressed in brain, detectable in lung and liver, but not in kidney. In adult tissues, expressed ubiquitously in the brain, detectable in the heart, liver, spleen, thymus, prostate, testis, ovary, small intestine and colon. The type A isoforms seem to be expressed predominantly in fetal brain whereas type B isoforms are expressed abundantly in both fetal and adult brain.

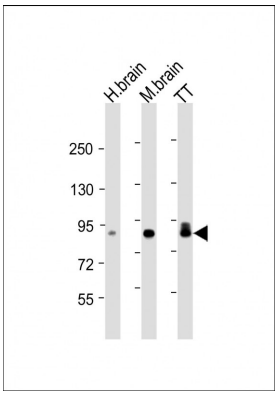
Background

Probable kinase that may be involved in a calcium- signaling pathway controlling neuronal migration in the developing brain. May also participate in functions of the mature nervous system.

References

Omori Y.,et al.J. Hum. Genet. 43:169-177(1998).
Sossey-Alaoui K.,et al.Genomics 56:121-126(1999).
Nagase T.,et al.DNA Res. 4:141-150(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Dunham A.,et al.Nature 428:522-528(2004).

Images



All lanes : Anti-DCLK1 Antibody at 1:4000 dilution Lane 1: human brain lysate Lane 2: mouse brain lysate Lane 3: TT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 82 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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