

Datasheet for ABIN391323

**anti-DCLK1 antibody (N-Term)****2** Images**5** Publications[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	DCLK1
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCLK1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This DCAMKL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DCAMKL1.
Clone:	RB3059
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	DCLK1
Alternative Name:	DCAMKL1 ( <a href="#">DCLK1 Products</a> )

## Target Details

Background:	Doublecortin-like kinase (DCAMKL1)(Ser/Thr protein kinase family) is essential for proper neurogenesis, neuronal migration, and axonal wiring. DCAMKL1 is involved in a calcium-signaling pathway controlling neuronal migration in the developing brain, and participates in functions of the mature nervous system. DCAMKL1 protein shares high homology with doublecortin (DCX). DCLK, but not DCX, is highly expressed in regions of active neurogenesis in the neocortex and cerebellum. DCAMKL1 controls mitotic division by regulating spindle formation and also determines the fate of neural progenitors during cortical neurogenesis.
Molecular Weight:	82224
Gene ID:	9201
NCBI Accession:	<a href="#">NP_001182344</a> , <a href="#">NP_001182345</a> , <a href="#">NP_004725</a>
UniProt:	<a href="#">O15075</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

## Handling

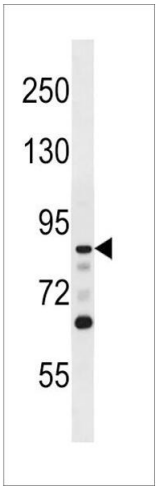
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

## Publications

Product cited in:	Lin, Liu, Sun, Yuan, Zhang, Chen: "Establishment and characterization of a tamoxifen-mediated reversible immortalized mouse dental papilla cell line." in: <b>In vitro cellular &amp; developmental biology. Animal</b> , Vol. 49, Issue 2, pp. 114-21, (2013) ( <a href="#">PubMed</a> ).
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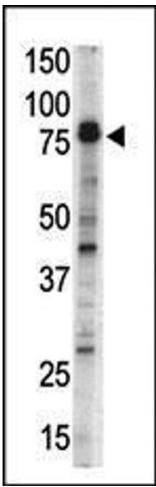
Kaushik, Arias, Kwon, Lopez, Athonvarangkul, Sahu, Schwartz, Pessin, Singh: "Loss of autophagy in hypothalamic POMC neurons impairs lipolysis." in: **EMBO reports**, Vol. 13, Issue 3, pp. 258-65, (2012) ([PubMed](#)).

Images



Western Blotting

**Image 1.** DCKL1 Antibody (D13) (ABIN391323 and ABIN2841353) western blot analysis in T47D cell line lysates (35 µg/lane). This demonstrates the DCKL1 antibody detected the DCKL1 protein (arrow).



Western Blotting

**Image 2.** Western blot analysis of DCKL1 Antibody (N-term) (ABIN391323 and ABIN2841353) in mouse brain tissue lysate. DCKL1 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.