

Datasheet for ABIN7539736  
**anti-DCLK2 antibody (AA 652-766)**



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## Overview

Quantity:	100 µL
Target:	DCLK2
Binding Specificity:	AA 652-766
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DCLK2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

## Product Details

Purpose:	DCLK2 Antibody
Immunogen:	Purified recombinant fragment of human DCLK2 (AA: 652-766) expressed in mammalian.
Clone:	3H1G4
Isotype:	IgG2a
Purification:	Purified antibody

## Target Details

Target:	DCLK2
Alternative Name:	DCLK2 ( <a href="#">DCLK2 Products</a> )
Background:	Description: This gene encodes a member of the protein kinase superfamily and the

## Target Details

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doublecortin family. The protein encoded by this gene contains two N-terminal doublecortin domains, which bind microtubules and regulate microtubule polymerization, a C-terminal serine/threonine protein kinase domain, which shows substantial homology to Ca<sup>2+</sup>/calmodulin-dependent protein kinase, and a serine/proline-rich domain in between the doublecortin and the protein kinase domains, which mediates multiple protein-protein interactions. The microtubule-polymerizing activity of the encoded protein is independent of its protein kinase activity. Mouse studies show that the DCX gene, another family member, and this gene share function in the establishment of hippocampal organization and that their absence results in a severe epileptic phenotype and lethality, as described in human patients with lissencephaly. Multiple alternatively spliced transcript variants have been identified.

Aliases: CL2, DCK2, CLIK2, DCDC3, CLICK2, DCDC3B, DCAMKL2, CLICK-II

Molecular Weight:	83.6 kDa
Gene ID:	166614
UniProt:	<a href="#">Q8N568</a>

## Application Details

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Application Notes:	ELISA: 1/10000 FCM: 1/200 - 1/400
Restrictions:	For Research Use only

## Handling

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Buffer:	Purified antibody in PBS with 0.05 % 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:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.