

Datasheet for ABIN2856229

**anti-DCLK2 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	DCLK2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCLK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human DCAMKL2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to DCAMKL2 (doublecortin-like kinase 2) DCAMKL2 antibody [N2C2], Internal
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	DCLK2
Alternative Name:	doublecortin like kinase 2 ( <a href="#">DCLK2 Products</a> )

## Target Details

Background:	<p>This gene encodes a member of the protein kinase superfamily and the 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.</p>
-------------	--

Molecular Weight:	84 kDa
Gene ID:	166614
UniProt:	<a href="#">Q8N568</a>

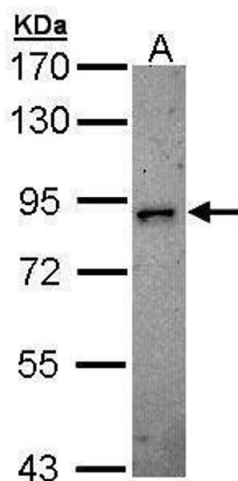
## Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A549 , H1299 , HCT116
Restrictions:	For Research Use only

## Handling

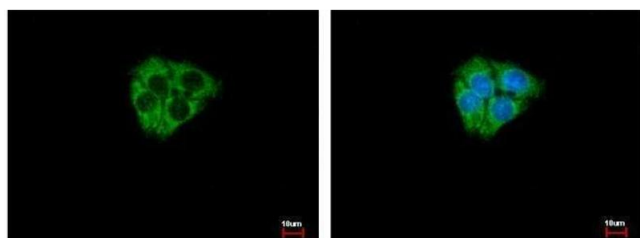
Format:	Liquid
Concentration:	0.16 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



### Western Blotting

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: H1299 7.5% SDS PAGE antibody diluted at 1:500



### Immunofluorescence

**Image 2.** ICC/IF Image DCAMKL2 antibody [N2C2], Internal detects DCAMKL2 protein at Cytoplasm by immunofluorescent analysis. Sample: HepG2 cells were fixed in -20°C 100% MeOH for 5 min. Green: DCAMKL2 protein stained by DCAMKL2 antibody [N2C2], Internal, diluted at 1:500. Blue: Hoechst 33343 staining.