

Anti-DCLK2 Antibody
Rabbit polyclonal antibody to DCLK2
Catalog # AP60851**Specification**

Anti-DCLK2 Antibody - Product Information

Application	WB, IF/IC
Primary Accession	Q8N568
Other Accession	Q6PGN3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83606

Anti-DCLK2 Antibody - Additional Information**Gene ID** 166614**Other Names**

DCAMKL2; DCDC3B; DCK2; Serine/threonine-protein kinase DCLK2; CaMK-like CREB regulatory kinase 2; CL2; CLICK-II; CLICK2; Doublecortin domain-containing protein 3B; Doublecortin-like and CAM kinase-like 2; Doublecortin-like kinase 2

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human DCLK2. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/2000), IF/IC (1/50 - 1/100)
IF/IC~~N/A

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-DCLK2 Antibody - Protein Information**Name** DCLK2**Synonyms** DCAMKL2, DCDC3B, DCK2**Function**

Protein kinase with a significantly reduced C(a2+)/CAM affinity and dependence compared to other members of the CaMK family. May play a role in the down-regulation of CRE-dependent gene activation probably by phosphorylation of the CREB coactivator CRTC2/TORC2 and the resulting

retention of TORC2 in the cytoplasm (By similarity).

Cellular Location

Cytoplasm, cytoskeleton. Note=Colocalizes with microtubules.

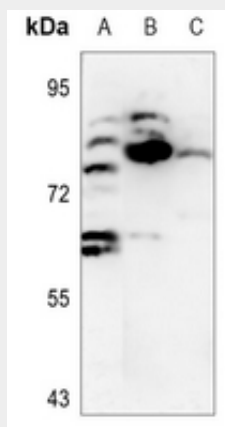
Tissue Location

Expressed in the brain, heart and eyes.

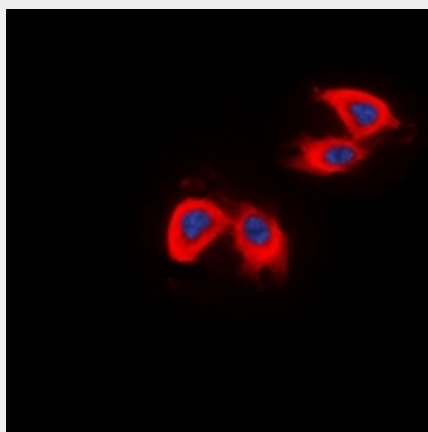
Anti-DCLK2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-DCLK2 Antibody - Images

Western blot analysis of DCLK2 expression in H1792 (A), mouse testis (B), mouse heart (C) whole cell lysates.



Immunofluorescent analysis of DCLK2 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-DCLK2 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human DCLK2. The exact sequence is proprietary.