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Anti-DCLK2 Antibody

Catalog # AP60851

Product Information

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

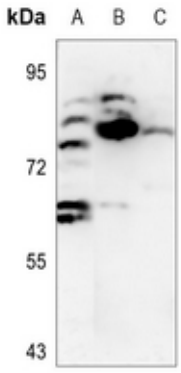
Additional Information

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 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

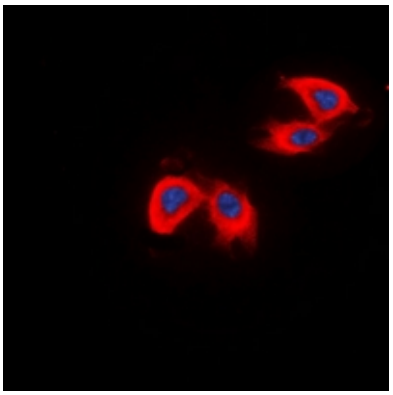
Protein Information

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.

Images



Western blot analysis of DCLK2 expression in H1792 (A), mouse testis (B), mouse heart (C) whole cell lysates. (Predicted band size: 83 kD; Observed band size: 84 kD)



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 hidified 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).

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