

Product Data Sheet

Anti-DCLK2 Antibody

Catalog #	Source	Reactivity	Applications
CPA5409	Rabbit	H, M, R	WB, IF/IC
Description	Rabbit polyclonal antibody to DCLK2		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human DCLK2. The exact sequence is proprietary.		
Purification	The antibody was purified by affinity chromatography.		
Specificity	Recognizes endogenous levels of DCLK2 protein.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/2000), IF/IC (1/50 - 1/100)		
Gene Symbol	DCLK2		
Alternative 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		
Entrez Gene	166614 (Human); 70762 (Mouse); 310698 (Rat)		
SwissProt	Q8N568 (Human); Q6PGN3 (Mouse); Q5MPA9 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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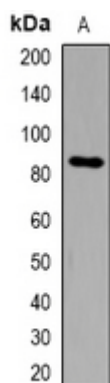
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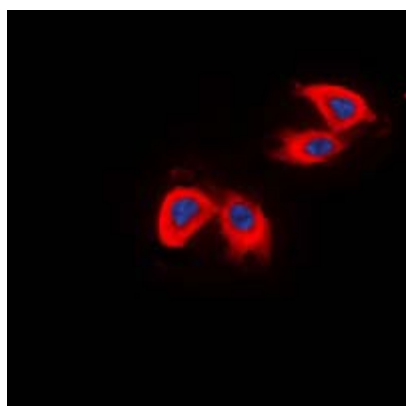
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Western blot analysis of DCLK2 expression in HepG2 (A) whole cell lysates.



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).

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