

Product datasheet for **AP13897PU-N**

DCAMKL1 (DCLK1) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA 1:1,000. Western blot 1:100 - 1:500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human DCAMKL1.
Specificity:	This antibody detects DCAMKL1 at N-term.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	doublecortin like kinase 1
Database Link:	Entrez Gene 9201 Human O15075



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Background:

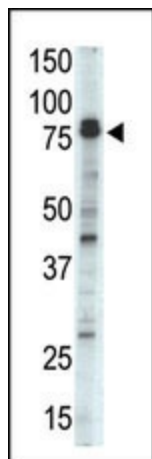
Doublecortin-like kinase (DCAMKL1)(Ser/Thr protein kinase family) is essential for proper neurogenesis, neuronal migration, and axonal wiring. DCAMKL1 is involved in a calcium-signaling pathway controlling neuronal migration in the developing brain, and participates in functions of the mature nervous system. DCAMKL1 protein shares high homology with doublecortin (DCX). DCLK, but not DCX, is highly expressed in regions of active neurogenesis in the neocortex and cerebellum. DCAMKL1 controls mitotic division by regulating spindle formation and also determines the fate of neural progenitors during cortical neurogenesis.

Synonyms:

DCLK, DCKL1, DCAMKL1, DCDC3A, CLICK1, KIAA0369

Note:

Molecular weight: 82223 Da

Product images:

Western blot analysis of DCAMKL1 Antibody (N-term) in mouse brain tissue lysate. DCAMKL1 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.