

Basic Information

Product Name	Anti-DCLK3 Antibody
Gene Name	DCLK3
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Immunogen	Synthesized peptide derived from the Internal region of human DCAMKL3. at AA range: 260-340
Purification	Immunogen affinity purified
Dilution Ratios	WB, 1:500-1:2000

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Background Information

DCLK3 is one of three doublecortin-like kinases similar to the Ca²⁺/calmodulin-dependent protein kinase (CaMK) family. DCLK3 mRNA, like that of the homologous DCLK1 and DCLK3, is highly expressed in adult brain, but only DCLK3 transcripts are present in liver and kidney, suggesting that DCLK3 may play other roles than in cortical development. The DCLK proteins are homologous to Doublecortin (DCX), a protein that is mutated in X-linked human lissencephaly. In mouse models where the DCX gene has been disrupted, DCLK1 expression increases slightly and appears to compensate for the loss of DCX, as mice mutant for both DCX and DCLK1 show a severe phenotype including perinatal lethality, disorganized neocortical layering, and profound hippocampal cytoarchitectural disorganization.

Selected Validation Data

Product datasheet

Anti-DCLK3 Antibody

Catalog Number: **A15882**

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