

## DCLK3 polyclonal antibody

Catalog: BS61555

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

DCLK3 is one of three doublecortin-like kinases similar to the Ca<sup>2+</sup>/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. Synonyms: DCAMKL3, DCDC3C, DCK3, DCLK3, KIAA1765, Serine/threonine-protein kinase DCLK3.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 80 kDa

### Swiss-Prot:

Q9C098

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)

### Applications:

WB: 1:500~1:1000

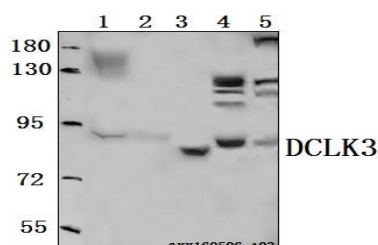
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

DCLK3 polyclonal antibody detects endogenous levels of DCLK3 protein.

### DATA:



Western blot (WB) analysis of DCLK3 polyclonal antibody at 1:500 dilution

Lane1: The Liver lysate of Rat(40ug)

Lane2: The Kidney lysate of Rat(40ug)

Lane3: The Lung lysate of Mouse(40ug)

Lane4: HCT116 whole cell lysate(20ug)

Lane5: A549 whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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