DCLK1 Rabbit Polyclonal Antibody

Catalog No: #55598

Package Size: #55598-1 50ul #55598-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	DCLK1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic Peptide of human DCLK1
Conjugates	Unconjugated
Other Names	DCLK1;CL1;CLICK1;DCAMKL1;DCDC3A;DCLK
Accession No.	Swiss Prot:O15075GeneID:9201
Calculated MW	46kDa/47kDa/81kDa/82kDa
SDS-PAGE MW	90kDa
Formulation	Buffer: PBS with 0.02% sodium azide, pH7.3.
Storage	Store at 4°C. Avoid freeze / thaw cycles.

Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:20 - 1:50

Background

This gene encodes a member of the protein kinase superfamily and the doublecortin family. The protein encoded by this gene contains two N-terminal doublecortin domains, which bind microtubules and regulate microtubule polymerization, a C-terminal serine/threonine protein kinase domain, which shows substantial homology to Ca2+/calmodulin-dependent protein kinase, and a serine/proline-rich domain in between the doublecortin and the protein kinase domains, which mediates multiple protein-protein interactions. The microtubule-polymerizing activity of the encoded protein is independent of its protein kinase activity. The encoded protein is involved in several different cellular processes, including neuronal migration, retrograde transport, neuronal apoptosis and neurogenesis. This gene is up-regulated by brain-derived neurotrophic factor and associated with memory and general cognitive abilities. Multiple transcript variants generated by two alternative promoter usage and alternative splicing have been reported, but the full-length nature and biological validity of some variants have not been defined. These variants encode different isoforms, which are differentially expressed and have different kinase activities.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.