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ARG54844
anti-DCLK1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DCLK1
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DCLK1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 1-30 (N-terminus) of Human DCLK1.
Conjugation	Un-conjugated
Alternate Names	DCAMKL1; DCLK; Serine/threonine-protein kinase DCLK1; Doublecortin-like and CAM kinase-like 1; DCDC3A; EC 2.7.11.1; Doublecortin domain-containing protein 3A; CL1; Doublecortin-like kinase 1; CLICK1

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: T47D

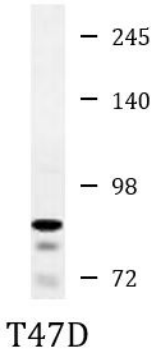
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 13175 Mouse GeneID: 9201 Human Swiss-port # O15075 Human Swiss-port # Q9JLM8 Mouse
Gene Symbol	DCLK1
Gene Full Name	doublecortin-like kinase 1
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.[provided by RefSeq, Sep 2010]
Function	Probable kinase that may be involved in a calcium-signaling pathway controlling neuronal migration in the developing brain. May also participate in functions of the mature nervous system. [UniProt]
Research Area	Neuroscience antibody
Calculated Mw	82 kDa

Images



ARG54844 anti-DCLK1 antibody WB image

Western blot: 35 µg of T47D cell lysate stained with ARG54844 anti-DCLK1 antibody.