DCLK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DCLK1, Polyclonal Antibody
Full Product Name	DCLK1 Antibody, FITC conjugated
Product Gene Name	anti-DCLK1 antibody
Product Synonym Names	Serine/threonine-protein kinase DCLK1; Doublecortin domain-containing protein 3A; Doublecortin-like and CAM kinase-like 1; Doublecortin-like kinase 1; DCLK1; DCAMKL1; DCDC3A; KIAA0369
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: DCLK1 (MBS7103761) FITC Conjugated Antibody: DCLK1 (MBS7103763)
Molecular Weight	47,681 Da
OMIM	AB002367 mRNA
3D Structure	ModBase 3D Structure for O15075
Immunogen	Recombinant Human Serine/threonine-protein kinase DCLK1 protein (143-381AA)
Conjugation	FITC
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-DCLK1 antibody	Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DCLK1 antibody	ELISA (EIA)
Related Product Information for anti-DCLK1 antibody	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.
Other Notes	Small volumes of anti-DCLK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DCLK1 purchase	MBS7103763 is an antibody targeting DCLK1. Also known as DCLK1 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DCLK1. It may not necessarily be applicable to this product.

NCBI GI #	306518604
NCBI GeneID	9201
NCBI Accession #	NP_001182344.1
UniProt Primary Accession #	O15075
UniProt Secondary Accession #	Q5VZY8; Q5VZZ0; Q5VZZ1; B7Z3E9
UniProt Related Accession #	O15075
GenBank Nucleotide #	NM_001195415.1
NCBI Official Full Name	serine/threonine-protein kinase DCLK1 isoform 2
NCBI Official Synonym Full Names	doublecortin like kinase 1
NCBI Official Symbol	DCLK1
NCBI Official Synonym Symbols	CL1; DCLK; CLICK1; DCDC3A; DCAMKL1
UniProt Protein Name	Serine/threonine-protein kinase DCLK1
UniProt Synonym Protein Names	Doublecortin domain-containing protein 3A; Doublecortin-like and CAM kinase-like 1; Doublecortin-like kinase 1
Protein Family	Serine/threonine-protein kinase
UniProt Gene Name	DCLK1
UniProt Synonym Gene Names	DCAMKL1; DCDC3A; KIAA0369
NCBI Protein Information	serine/threonine-protein kinase DCLK1
NCBI Summary for DCLK1	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]
Research Articles on DCLK1	**1.** Generated a (doublecortin like kinase 1) DCLK1-S-specific polyclonal antibody (S-isoform specific), and studied its use in screening of colon cancer after colonoscopy.
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