DATASHEET

DCLK1 Rabbit Monoclonal Antibody(ARA673)

CAT. NO. ARA6391

KEY FEATURES

Target:	DCLK1	**Clone ID:**	ARA673
Source/Host:	Rabbit	**Reactivity:**	Human
Clonality:	Monoclonal	**Applications:**	IHC
Storage:	at-20°C		

BACKGROUND

Lissencephaly (smooth brain) is an abnormality of brain development characterized by incomplete neuronal migration and a smooth cerebral surface, manifesting as severe mental retardation. Genetic analysis has identified two proteins that are mutated in some cases of lissencephaly, designated lissencephaly-1 protein (LIS1) and doublecortin. LIS1 displays sequence homology to beta-subunits of heterotrimeric G proteins, and doublecortin contains a consensus Abl phosphorylation site. In addition, the DCAMKL1 (doublecortin-like and CAM kinase-like 1) protein shows homology to doublecortin. All three proteins are highly expressed in developing brain and may function together to regulate microtubules involved in neuronal migration. The DCAMKL1 protein encodes a functional kinase that is capable of phosphorylating myelin basic protein and itself, but its kinase activity does not appear to affect its microtubule polymerization activity.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:500-1:1000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Rabbit monoclonal antibody to DCAMKL1
Antibody Type	Primary antibody,Recombinant
Immunogen	Synthetic peptide within Human DCAMKL1 aa 649-698 / 740.
Purification	Protein A affinity purified.
Molecular Weight	Predicted: 82 kDa; Observed: 82/47 kDa
Isotype	IgG
Form/Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Alternative Names	DCLK; CL1; CLICK1; CPG16; DCDC3A; KIAA0369; Doublecortin-like kinase 1; Serine/threonine-protein kinase DCLK1
Gene Symbol	DCLK1
Entrez Gene	9201(Human); 13175(Mouse); 83825(Rat);
SwissProt	O15075(Human); Q9JLM8(Mouse); O08875(Rat);

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

DCLK1 Rabbit Monoclonal Antibody(ARA673)

CAT. NO. ARA6391

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com