

Rabbit DCLK1 Polyclonal Antibody | anti-DCLK1 antibody

DCLK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303276	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

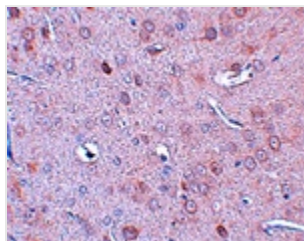
PRODUCT SYNONYMS

DCLK1; Polyclonal Antibody; DCLK1 Antibody; Doublecortin kinase-like 1; CL1; CLICK1; DCAMKL1; DCDC3A; anti-DCLK1 antibody

PRODUCT SPECIFICATIONS

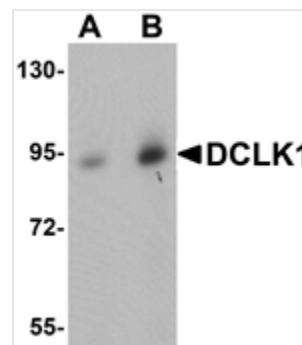
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	729
Applicable Applications for anti-DCLK1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide near the amino terminus of human DCLK1.
Target Name	DCLK1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of DCLK1 in rat brain tissue with DCLK1 antibody at 2.5 ug/mL.



WB (Western Blot)

Western blot analysis of DCLK1 in human brain tissue lysate with DCLK1 antibody at (A) 0.5 and (B) 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-DCLK1 antibody	DCLK1 is one of three doublecortin-like kinases similar to the Ca2+/calmodulin-dependent protein kinase (CaMK) family. DCLK1 mRNA, like that of the homologous DCLK2 and DCLK3, is highly expressed in adult brain, but only DCLK1 and DCLK2 transcripts are present in human fetal brain and the developing mouse embryo, suggesting that DCLK1 and DCLK2 may play roles in cortical development. The DCLK proteins are homologous to Doublecortin (DCX), a gene 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. Unlike DCLK1, DCLK2 expression does not change in DCX-null mice.
Product Categories/Family for anti-DCLK1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758128
NCBI GeneID	9201
NCBI Accession #	NP_004725
NCBI GenBank Nucleotide #	NM_004734.4
Molecular Weight	47,681 Da
NCBI Official Full Name	serine/threonine-protein kinase DCLK1 isoform 1
NCBI Official Synonym Full Names	doublecortin-like kinase 1
NCBI Official Symbol	DCLK1
NCBI Official Synonym Symbols	CL1; DCLK; CLICK1; DCDC3A; DCAMKL1
NCBI Protein Information	serine/threonine-protein kinase DCLK1
UniProt Protein Name	Serine/threonine-protein kinase DCLK1
UniProt Gene Name	DCLK1
UniProt Synonym Gene Names	DCAMKL1; DCDC3A; KIAA0369
UniProt Entry Name	DCLK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dclk1-antibody-immunohistochemistry-western-blot-elisa/303276>