

Rabbit DCLK2 Polyclonal Antibody | anti-DCLK2 antibody

DCLK2 Antibody

CATALOG # AAA39742	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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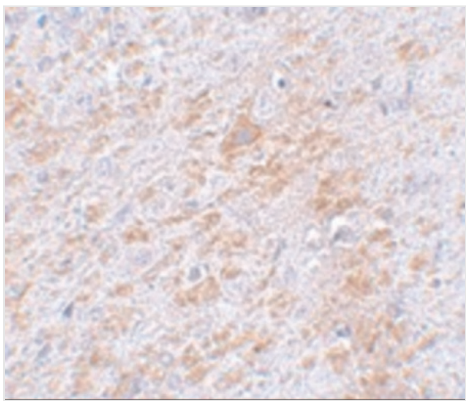
PRODUCT SYNONYMS

DCLK2; Polyclonal Antibody; DCLK2 Antibody; CL2; DCK2; CLIK2; DCDC3; CLICK2; DCDC3B; DCAMKL2; CLICK-II; CaMK-like CREB regulatory kinase 2; doublecortin-like kinase 2; anti-DCLK2 antibody

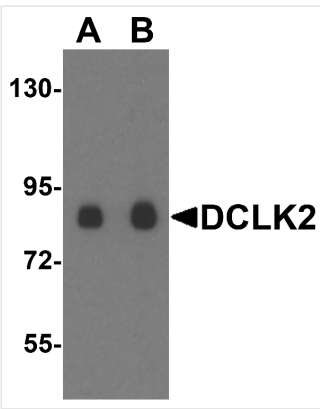
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	DCLK2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	766
Applicable Applications for anti-DCLK2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Conjugate	Unconjugated
Immunogen	DCLK2 antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of human DCLK2. The immunogen is located within the last 50 amino acids of DCLK2.
Buffer	DCLK2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	DCLK2 antibody can be stored at 4°C for three months and -20°C, stable for up to 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 DCLK2 in rat brain tissue with DCLK2 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of DCLK2 in rat brain tissue lysate with DCLK2 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-DCLK2 antibody	DCLK2 Antibody: DCLK2 is one of three doublecortin-like kinases similar to the Ca2+/calmodulin-dependent protein kinase (CaMK) family. DCLK2 mRNA, like that of the homologous DCLK1 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 protein 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156713428
NCBI GeneID	166614
NCBI Accession #	NP_001035350
NCBI GenBank Nucleotide #	NM_001040260.3
UniProt Accession #	Q8N568; Q59GC8; Q8N399; C9J5Q9
Molecular Weight	Predicted: 85 kDa Observed: 85 kDa
NCBI Official Full Name	serine/threonine-protein kinase DCLK2 isoform a
NCBI Official Synonym Full Names	doublecortin-like kinase 2
NCBI Official Symbol	DCLK2
NCBI Official Synonym Symbols	CL2; DCK2; CLIK2; DCDC3; CLICK2; DCDC3B; DCAMKL2; CLICK-II
NCBI Protein Information	serine/threonine-protein kinase DCLK2; CaMK-like CREB regulatory kinase 2; doublecortin and CaM kinase-like 2; doublecortin-like and CAM kinase-like 2; doublecortin domain-containing protein 3B
UniProt Protein Name	Serine/threonine-protein kinase DCLK2
UniProt Gene Name	DCLK2
UniProt Synonym Gene Names	DCAMKL2; DCDC3B; DCK2; CL2; CLICK-II; CLICK2
UniProt Entry Name	DCLK2_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/dclk2-antibody-western-blot-immunohistochemistry-elisa/39742>