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Datasheet for ABIN6991288 **anti-DCLK2 antibody (C-Term)**

Overview

Quantity:	0.1 mg
Target:	DCLK2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCLK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

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.
Isotype:	IgG
Purification:	DCLK2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	DCLK2
Alternative Name:	DCLK2 (DCLK2 Products)
Background:	DCLK2 Antibody: DCLK2 is one of three doublecortin-like kinases similar to the Ca ²⁺ /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

Target Details

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.

Molecular Weight: Predicted: 85 kDa

Observed: 85 kDa

Gene ID: 166614

NCBI Accession: [NP_001035350](#)

UniProt: [Q8N568](#)

Application Details

Application Notes: DCLK2 antibody can be used for detection of DCLK2 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

Antibody validated: Western Blot in rat samples and Immunohistochemistry in rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: DCLK2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Handling

Storage Comment: 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.