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Datasheet for ABIN6991289
anti-DCLK3 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	DCLK3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCLK3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	DCLK3 antibody was raised against a 14 amino acid synthetic peptide near the amino terminus of human DCLK3. The immunogen is located within the last 50 amino acids of DCLK3.
Isotype:	IgG
Purification:	DCLK3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	DCLK3
Alternative Name:	DCLK3 (DCLK3 Products)
Background:	DCLK3 Antibody: DCLK3 is one of three doublecortin-like kinases similar to the Ca ²⁺ /calmodulin-dependent protein kinase (CaMK) family. DCLK3 mRNA, like that of the

Target Details

homologous DCLK1 and DCLK3, is highly expressed in adult brain, but only DCLK3 transcripts are present in liver and kidney, suggesting that DCLK3 may play other roles than 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.

Gene ID: 85443

NCBI Accession: [NP_208382](#)

UniProt: [Q9C098](#)

Application Details

Application Notes: DCLK3 antibody can be used for detection of DCLK3 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: DCLK3 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

Storage Comment: DCLK3 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.