

Datasheet for ABIN391324

anti-DCLK1 antibody (AA 690-720)

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Overview

Quantity:	200 µL
Target:	DCLK1
Binding Specificity:	AA 690-720
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCLK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This DCAMKL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 690-720 amino acids of human DCAMKL1.
Clone:	RB3161
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DCLK1
Alternative Name:	DCAMKL1 (DCLK1 Products)
Background:	Doublecortin-like kinase (DCAMKL1)(Ser/Thr protein kinase family) is essential for proper

Target Details

neurogenesis, neuronal migration, and axonal wiring. DCAMKL1 is involved in a calcium-signaling pathway controlling neuronal migration in the developing brain, and participates in functions of the mature nervous system. DCAMKL1 protein shares high homology with doublecortin (DCX). DCLK, but not DCX, is highly expressed in regions of active neurogenesis in the neocortex and cerebellum. DCAMKL1 controls mitotic division by regulating spindle formation and also determines the fate of neural progenitors during cortical neurogenesis.

Molecular Weight: 82224

Gene ID: 9201

NCBI Accession: [NP_001182344](#), [NP_001182345](#), [NP_004725](#)

UniProt: [O15075](#)

Application Details

Application Notes: WB: 1:2000. WB: 1:1000. WB: 1:8000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.

Handling Advice: Avoid freeze-thaw cycles.

Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.

Expiry Date: 6 months

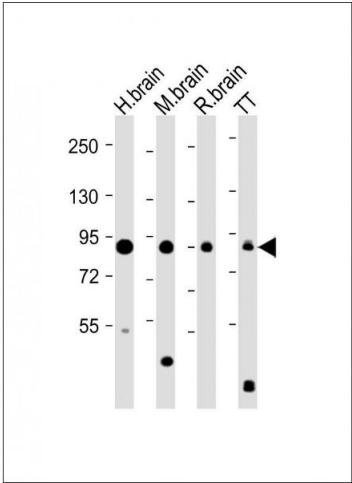
Publications

Product cited in: Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha,

Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: **Molecular systems biology**, Vol. 3, pp. 89, (2007) ([PubMed](#)).

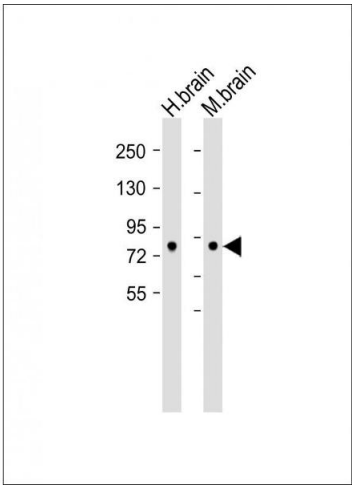
There are more publications referencing this product on: [Product page](#)

Images



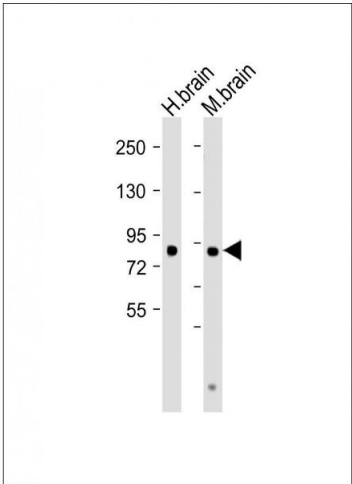
Western Blotting

Image 1. All lanes : Anti-hDCKL1- at 1:8000 dilution Lane 1: Human brain lysate Lane 2: Mouse brain lysate Lane 3: Rat brain lysate Lane 4: TT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 82 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 2. All lanes :DCKL1 Antibody (C-term) at 1:2000 dilution Lane 1: Human brain lysate Lane 2: Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 82 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. All lanes :DCKL1 Antibody (C-term) at 1:1000 dilution Lane 1: Human brain lysate Lane 2: Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 82 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.