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Datasheet for ABIN3030772 anti-DCLK2 antibody (AA 167-196)

2 Images



Overview

Quantity:	0.4 mL
Target:	DCLK2
Binding Specificity:	AA 167-196
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCLK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

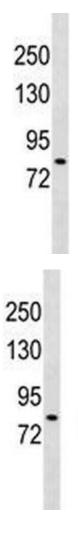
Immunogen:	A portion of amino acids 167-196 from the human protein was used as the immunogen for this DCLK2 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	DCLK2
Alternative Name:	DCLK2 (DCLK2 Products)
Background:	This gene encodes a member of the protein kinase superfamily and the doublecortin family. The protein encoded by this gene contains two N-terminal doublecortin domains, which bind
	microtubules and regulate microtubule polymerization, a C-terminal serine/threonine protein

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	kinase domain, which shows substantial homology to Ca2+/calmodulin-dependent protein
	kinase, and a serine/proline-rich domain in between the doublecortin and the protein kinase
	domains, which mediates multiple protein-protein interactions. The microtubule-polymerizing
	activity of the encoded protein is independent of its protein kinase activity. Mouse studies show
	that the DCX gene, another family member, and this gene share function in the establishment of
	hippocampal organization and that their absence results in a severe epileptic phenotype and
	lethality, as described in human patients with lissencephaly. Multiple alternatively spliced
	transcript variants have been identified.
UniProt:	Q8N568
Application Details	
Application Notes:	Titration of the DCLK2 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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
Storage Comment:	Aliquot the DCLK2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw
	cycles.



Western Blotting

Image 1. DCLK2 antibody western blot analysis in 293 Iysate. Predicted molecular weight ~84 kDa.

Western Blotting

Image 2. DCLK2 antibody western blot analysis in 293 Iysate. Predicted molecular weight ~84 kDa.

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