

Datasheet for ABIN3030772
anti-DCLK2 antibody (AA 167-196)[Go to Product page](#)

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:	<p>This gene encodes a member of the protein kinase superfamily and the doublecortin family.</p> <p>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</p>

Target Details

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 lysate. Predicted molecular weight ~84 kDa.

Western Blotting

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