

Datasheet for ABIN3030771
anti-DCLK1 antibody (AA 153-181)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	DCLK1
Binding Specificity:	AA 153-181
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCLK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 153-181 from the mouse protein was used as the immunogen for this Dclk1 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	DCLK1
Alternative Name:	Dclk1 (DCLK1 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. The encoded protein is involved in several different cellular processes, including neuronal migration, retrograde transport, neuronal apoptosis and neurogenesis. This gene is up-regulated by brain-derived neurotrophic factor and associated with memory and general cognitive abilities. Multiple transcript variants generated by two alternative promoter usage and alternative splicing have been found, but the biological validity of some variants has not been determined. These variants encode different isoforms, which are differentially expressed and have different kinase activities.

UniProt: [Q9JLM8](#)

Application Details

Application Notes: Titration of the Dclk1 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

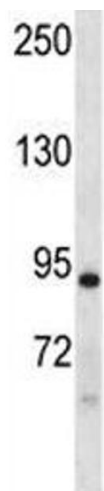
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

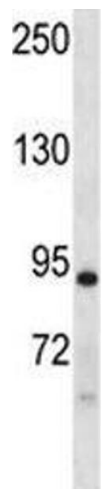
Storage: -20 °C

Storage Comment: Aliquot the Dclk1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Dcl1 antibody western blot analysis in mouse liver tissue lysate. Predicted molecular weight: 84/41 kDa.



Western Blotting

Image 2. Dcl1 antibody western blot analysis in mouse liver tissue lysate. Predicted molecular weight: 84/41 kDa.