

Datasheet for ABIN389254  
**anti-Doublecortin antibody (AA 107-137)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	Doublecortin (DCX)
Binding Specificity:	AA 107-137
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Doublecortin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This DCX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 107-137 amino acids from human DCX.
Clone:	RB15193
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Doublecortin (DCX)
Alternative Name:	DCX ( <a href="#">DCX Products</a> )

## Target Details

**Background:** In the developing cortex, cortical neurons must migrate over long distances to reach the site of their final differentiation. DCX is a cytoplasmic protein which appears to direct neuronal migration by regulating the organization and stability of microtubules. It contains two doublecortin domains, which bind microtubules. In addition, this protein interacts with LIS1, the regulatory gamma subunit of platelet activating factor acetylhydrolase, and this interaction is important to proper microtubule function in the developing cortex. Mutations in the gene encoding DCX are a cause of X-linked lissencephaly.

**Molecular Weight:** 40574

**Gene ID:** 1641

**NCBI Accession:** [NP\\_000546](#), [NP\\_835364](#), [NP\\_835365](#), [NP\\_835366](#)

**UniProt:** [O43602](#)

## Application Details

**Application Notes:** WB: 1:1000. IHC-P: 1:10~50

**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.

**Storage:** 4 °C, -20 °C

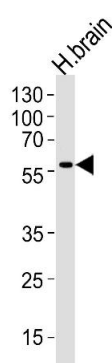
**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with DCX Antibody (ABIN389254 and ABIN2839395), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



#### Western Blotting

**Image 2.** Western blot analysis of lysate from human brain tissue lysate, using Phospho-DCX-. ctrl (ABIN389254 and ABIN2839395). (ABIN389254 and ABIN2839395) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg per lane.