

Datasheet for ABIN7161378
anti-Doublecortin antibody (AA 108-360)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	Doublecortin (DCX)
Binding Specificity:	AA 108-360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Doublecortin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Neuronal migration protein doublecortin protein (108-360AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	Doublecortin (DCX)
Alternative Name:	DCX (DCX Products)
Background:	Background: Microtubule-associated protein required for initial steps of neuronal dispersion and cortex lamination during cerebral cortex development. May act by competing with the

Target Details

putative neuronal protein kinase DCLK1 in binding to a target protein. May in that way participate in a signaling pathway that is crucial for neuronal interaction before and during migration, possibly as part of a calcium ion-dependent signal transduction pathway. May be part with PAFAH1B1/LIS-1 of overlapping, but distinct, signaling pathways that promote neuronal migration.

Aliases: DBCN antibody, Dbct antibody, DC antibody, DCX antibody, DCX_HUMAN antibody, Doublecortex antibody, Dublin antibody, FLJ51296 antibody, Lis X antibody, Lis-X antibody, Lissencephalin X antibody, Lissencephalin-X antibody, Lissencephaly X linked antibody, Lissencephaly X linked doublecortin antibody, LISX antibody, Neuronal migration protein doublecortin antibody, OTTHUMP00000023859 antibody, OTTHUMP00000023860 antibody, OTTHUMP00000216315 antibody, OTTHUMP00000216316 antibody, SCLH antibody, XLIS antibody

UniProt: [O43602](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

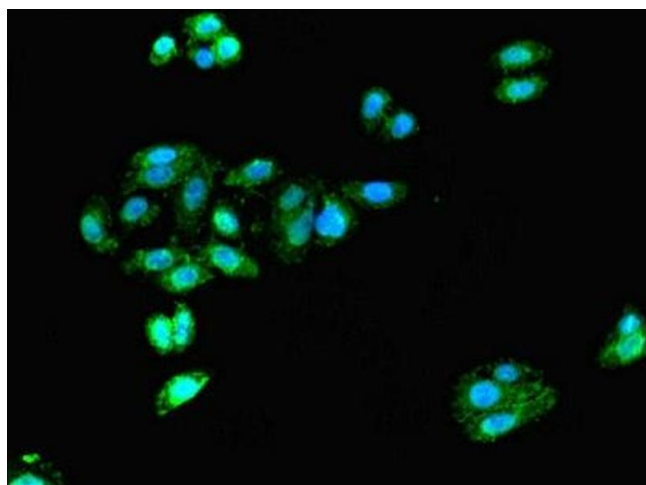
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



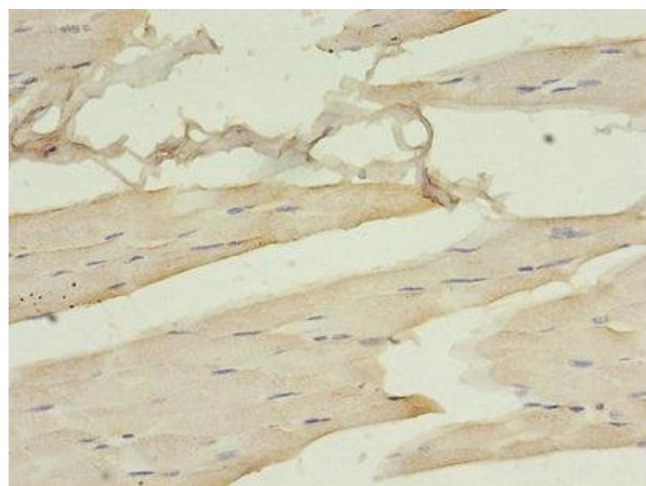
Western Blotting

Image 1. Western blot All lanes: DCX antibody at 8 µg/mL + Mouse brain tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 41 kDa Observed band size: 41 kDa



Immunofluorescence

Image 2. Immunofluorescent analysis of HepG2 cells using ABIN7161378 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using ABIN7161378 at dilution of 1:100