

**Anti-DCX/Doublecortin Rabbit Monoclonal Antibody**  
**Catalog # ABO13271****Specification**

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**Anti-DCX/Doublecortin Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	<a href="#">O43602</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-DCX/Doublecortin Rabbit Monoclonal Antibody . Tested in WB, Flow Cytometry applications.  
This antibody reacts with Human, Mouse, Rat.

**Anti-DCX/Doublecortin Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 1641

**Other Names**

Neuronal migration protein doublecortin, Dublin, Lissencephalin-X, Lis-X, DCX, DBCN, LISX

**Calculated MW**

40574 MW KDa

**Application Details**

WB 1:500-1:2000<br>FC 1:50-1:200

**Subcellular Localization**

Cytoplasm. Cell projection. Localizes at neurite tips..

**Tissue Specificity**

Highly expressed in neuronal cells of fetal brain (in the majority of cells of the cortical plate, intermediate zone and ventricular zone), but not expressed in other fetal tissues. In the adult, highly expressed in the brain frontal lobe, but very low expression in other regions of brain, and not detected in heart, placenta, lung, liver, skeletal muscles, kidney and pancreas.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human DCX

**Purification**

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term**

**storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

## **Anti-DCX/Doublecortin Rabbit Monoclonal Antibody - Protein Information**

**Name** DCX

**Synonyms** DBCN, LISX

### **Function**

Microtubule-associated protein required for initial steps of neuronal dispersion and cortex lamination during cerebral cortex development. May act by competing with the 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.

### **Cellular Location**

Cytoplasm. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q9ESI7}. Note=Localizes at neurite tips. {ECO:0000250|UniProtKB:Q9ESI7}

### **Tissue Location**

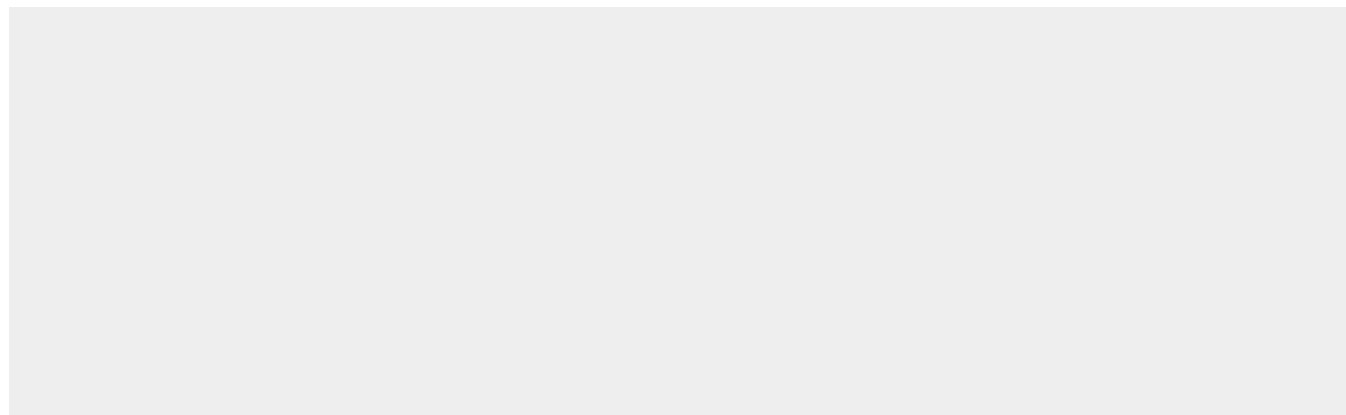
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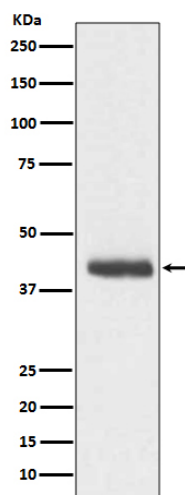
## **Anti-DCX/Doublecortin Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Anti-DCX/Doublecortin Rabbit Monoclonal Antibody - Images**





Western blot analysis of DCX expression in C6 cell lysate.