

**Goat anti-Doublecortin / DCX (aa69-81) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4508a**Specification**

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**Goat anti-Doublecortin / DCX (aa69-81) Antibody - Product Information**

Application	IF, FC, Pep-ELISA
Primary Accession	<a href="#">O43602</a>
Other Accession	<a href="#">NP_000546.2</a>
Reactivity	Human, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	40574

**Goat anti-Doublecortin / DCX (aa69-81) Antibody - Additional Information****Gene ID** 1641**Other Names**

DCX; doublecortin; RP5-914P14.1; DBCN; DC; FLJ51296; LISX; SCLH; XLIS; OTTHUMP00000023860; OTTHUMP00000216316; doublecortex; doublin; lis-X; lissencephalin-X; neuronal migration protein doublecortin

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

This antibody is expected to recognize reported isoform a (NP\_000546.2) only.

**Storage**

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.

**Precautions**

Goat anti-Doublecortin / DCX (aa69-81) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-Doublecortin / DCX (aa69-81) 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 PFAH1B1/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**

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

**Goat anti-Doublecortin / DCX (aa69-81) 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](#)

**Goat anti-Doublecortin / DCX (aa69-81) Antibody - Images**