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

Peptide-affinity purified goat antibody
Catalog # AF4508a

Product Information

Application	IF, FC, Pep-ELISA
Primary Accession	O43602
Other Accession	NP_000546.2
Reactivity	Human, Bovine
Host	Goat
Clonality	Polyclonal
Clone Names	DCX
Calculated MW	40574

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
Dilution	IF~~1:50~200 FC~~1:10~50 Pep-ELISA~~N/A
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.

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	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