Doublecortin Antibody

Catalog No: #AB21630

Package Size: #AB21630-1 50ul #AB21630-2 100ul #AB21630-4 25ul

Orders: order@abscitech.com
Support: tech@abscitech.com

Description

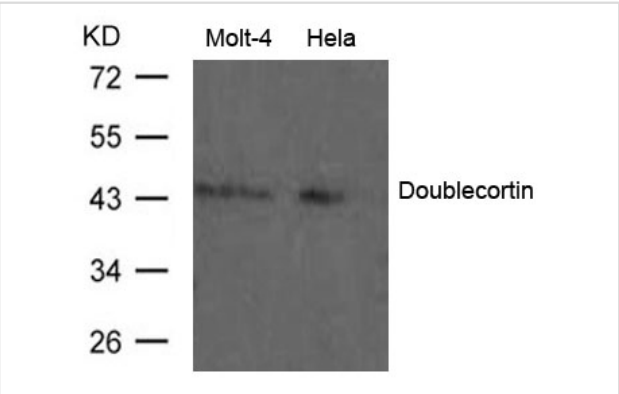
Product Name	Doublecortin Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Doublecortin protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.413~417(P-T-S-P-G) derived from Human Doublecortin.
Target Name	Doublecortin
Other Names	DCX; DC; DBCN
Accession No.	Swiss-Prot: O43602NCBI Protein: NP_000546.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 40-45kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from Molt-4 and Hela cells using Doublecortin Antibody #AB21630

Background

Seems to be required for initial steps of neuronal dispersion and cortex lamination during cerebral cortex development. May act by competing with the

putative neuronal protein kinase DCAMKL1 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 LIS-1 of an overlapping, but distinct, signaling pathways that promote neuronal migration.
Des Portes V., Pinard J.-M., Billuart P. Chelly J.Cell 92:51-61(1998)
Pilz D.T., Matsumoto N., Minnerath S.R., Mills P. Hum. Mol. Genet. 7:2029-2037(1998)