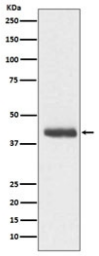
Doublecortin Antibody / DBCN / DCX [clone AOAD-4] (RQ4745)

Catalog No.	Formulation	Size
RQ4745	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human, Rat
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AOAD-4
Purity	Affinity purified
UniProt	O43602
Applications	Western blot: 1:500-1:2000
Limitations	This Doublecortin antibody is available for research use only.



Western blot testing of rat C6 cell lysate with Doublecortin antibody. Predicted molecular weight: 40-50 kDa.

Description

The neuronal migration protein Doublecortin is a 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. [UniProt]

Application Notes

Optimal dilution of the Doublecortin antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Doublecortin / DCX was used as the immunogen for the Doublecortin antibody.

Storage

Store the Doublecortin antibody at -20oC.

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