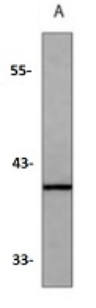
RecomAb™

Doublecortin recombinant monoclonal antibody

Catalog # RAB02406 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of rat brain (A) whole cell lysates with Doublecortin recombinant monoclonal antibody (Cat # RAB02406).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against recombinant Doublecortin.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein of human Doublecortin.
Theoretical MW (kDa)	41
Reactivity	Rat
Specificity	Recognizes endogenous levels of Doublecortin protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000)

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Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis of rat brain (A) whole cell lysates with Doublecortin recombinant monoclonal antibody (Cat # RAB02406).

Gene Info — DCX

Entrez GeneID	1641
Protein Accession#	Q9ESI7
Gene Name	DCX
Gene Alias	DBCN, DC, LISX, SCLH, XLIS
Gene Description	doublecortin
Omim ID	300067 300121
Gene Ontology	Hyperlink
Gene Summary	In the developing cortex, cortical neurons must migrate over long distances to reach the site of the ir final differentiation. The protein encoded by this gene is a cytoplasmic protein which appears to direct neuronal migration by regulating the organization and stability of microtubules. The encode d protein contains two doublecortin domains, which bind microtubules. In addition, the encoded pr otein interacts with LIS1, the regulatory gamma subunit of platelet activating factor acetylhydrolase , and this interaction is important to proper microtubule function in the developing cortex. Mutation s in this gene are a cause of X-linked lissencephaly. Multiple transcript variants encoding at least t hree different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000062892|doublecortex|doublin|lissencephalin-X

Disease

- Autistic Disorder

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- Epilepsy
- Genetic Predisposition to Disease

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