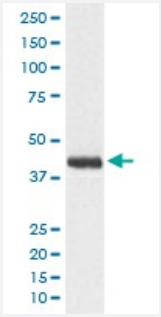
DCX monoclonal antibody, clone AOAD-4

Catalog # MAB19974 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of C6 cell lysate with DCX monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human DCX.
Immunogen	A synthetic peptide corresponding to human DCX.
Host	Rabbit
Reactivity	Human, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of C6 cell lysate with DCX monoclonal antibody.

- Flow Cytometry

Gene Info — DCX

Entrez GeneID	1641
Protein Accession#	O43602
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
- Epilepsy

- Genetic Predisposition to Disease