DCX monoclonal antibody (M02), clone 3B7

Catalog # H00001641-M02 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant DCX.
Immunogen	DCX (AAH27925, 1 a.a. ~ 360 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MELDFGHFDERDKTSRNMRGSRMNGLPSPTHSAHCSFYRTRTLQALSNEKKAKKVRFYRNGDR YFKGIVYAVSSDRFRSFDALLADLTRSLSDNINLPQGVRYIYTIDGSRKIGSMDELEEGESYVCSSD NFFKKVEYTKNVNPNWSVNVKTSANMKAPQSLASSNSAQARENKDFVRPKLVTIIRSGVKPRKA VRVLLNKKTAHSFEQVLTDITEAIKLETGVVKKLYTLDGKQVTCLHDFFGDDDVFIACGPEKFRYA QDDFSLDENECRVMKGNPSATAGPKASPTPQKTSAKSPGPMRRSKSPADSANGTSSSQLSTP KSKQSPISTPTSPGSLRKHKDLYLPLSLDDSDSLGDSM
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — DCX

Entrez GeneID	1641

GeneBank Accession#	BC027925
Protein Accession#	AAH27925
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 their 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 encoded protein contains two doublecortin domains, which bind microtubules. In addition, the encoded protein 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. Mutations in this gene are a cause of X-linked lissencephaly. Multiple transcript variants encoding at least three 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