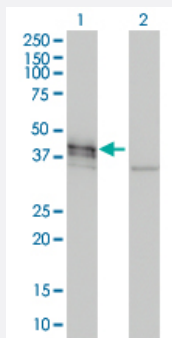


DCX monoclonal antibody (M01), clone 1G12

Catalog # H00001641-M01

Size 100 ug

Applications

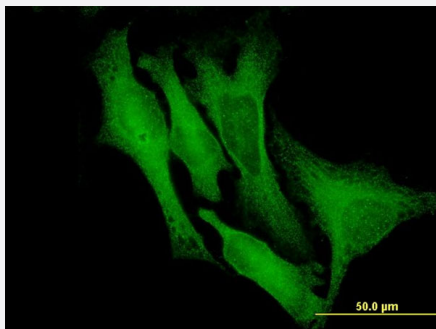


Western Blot (Transfected lysate)

Western Blot analysis of DCX expression in transfected 293T cell line by DCX monoclonal antibody (M01), clone 1G12.

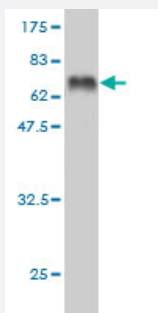
Lane 1: DCX transfected lysate(41.4 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of monoclonal antibody to DCX on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (65.34 KDa) .

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	MELDFGHFDERDKTSRNMGRSMNGLPSPTHSAHCSFYRTRLQALSNEKKAKKVRFYRNGDR YFKGIVYAVSSDRFRSFDALLADLTRSLSDNINLPQGVRYITIDGSRKIGSMDELEEGESYVCSSD NFFKKVEYTKNVNPNWSVNVKTSANMKAPQSLASSNSAQARENKDFVRPKLVTIIRSGVKPRKA VRVLLNKTAHSFEQVLTDITEAIKLETGVVKKLYTLDGKQVTCLHDDFGDDDVFIACGPEKFRYA QDDFSLDENECRVMKGNPSATAGPKASPTPQKTSKSPGPMRRSKSPADSANGTSSSQLSTP KSKQSPISTPTSPGSLRKHKDLYLPLSLDDSDSLGDSM
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (65.34 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of DCX expression in transfected 293T cell line by DCX monoclonal antibody (M01), clone 1G12.

Lane 1: DCX transfected lysate(41.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to DCX on HeLa cell . [antibody concentration 10 ug/ml]

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

Publication Reference

- [LC-MS/MS identification of doublecortin as abundant beta cell-selective protein discharged by damaged beta cells in vitro.](#)

Jiang L, Brackeva B, Stangel G, Verhaeghen K, Costa O, Couillard-Despres S, Rotheneichner P, Aigner L, Van Schravendijk C, Pipeleers D, Ling Z, Gorus F, Martens GA.

Journal of Proteomics 2013 Jan; 267(3):268.

Application: IP-WB, IHC-Fr, Human, Rat, Human pancreata, Rat pancreata

Disease

- [Autistic Disorder](#)
- [Epilepsy](#)

- [Genetic Predisposition to Disease](#)