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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

DCX monoclonal antibody (M01), clone 1G12

Catalog # : H00001641-M01

規格 : [100 ug]

[List All](#)

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.

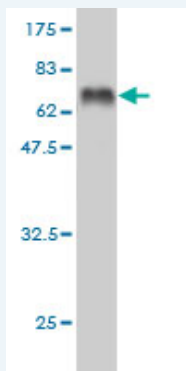
Sequence: MELDFGHFDERDKTSRNMGRSRMNGLPSPTHSAHCSFYRTRTLQALSN
EKKAKKVRFYRNGDRYFKGIVYAVSSDRFRSFDALLADLTRSLSDNINLP
QGVRYIYIDGSRKIGSMDELEEGESYVCSNDNFFKKVEYTKNVPNWSV
NVKTSANMKAPQSLASSNSAQARENKDFVRPKLVTIIRSGVKPRKAVRVL
LNKKTAFSFEQVLTDTIEAIKLETGVVKLYTLDGKQVTLHDFFGDDDV
FIACGPEKFRYAQDDFSLDENECRVMKGNPSATAGPKASPTPQKTSAKS
PGPMRRSKSPADSANGTSSSQLSTPKSKQSPISTPTSPGSLRKHKDLYL
PLSLDDSDSLGDSM

Host: Mouse

Reactivity: Human

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.

MSDS: [Download](#)

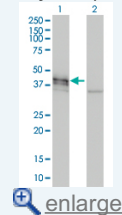
Datasheet: [Download](#)

Publication Reference

1. [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. *J Proteomics*. 2013 Jan 19. doi:pii: S1874-3919(13)00022-5. 10.1016/j.jprot.2012.12.031.

Application Image

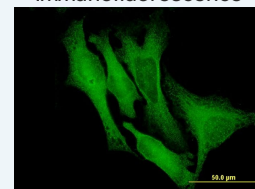
Western Blot (Transfected lysate)



[enlarge](#)

Western Blot (Recombinant protein)

Immunofluorescence

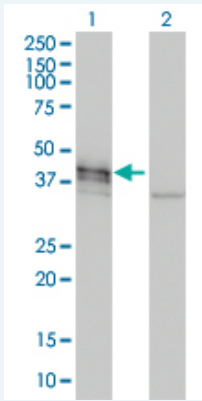


[enlarge](#)

ELISA

Applications

Western Blot (Transfected lysate)



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

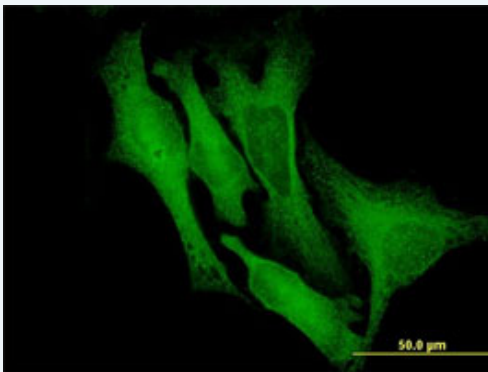
Lane 1: DCX transfected lysate(41.4 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Immunofluorescence



 [enlarge this image](#)

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

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [1641](#)

GeneBank [BC027925](#)
Accession#:

Protein [AAH27925](#)
Accession#:

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

Related Disease

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