Mouse DCX Monoclonal Antibody | anti-DCX antibody

DCX antibody

CATALOG #	HOST	APPLICATIONS
AAA106561	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

DCX; Monoclonal Antibody; DCX antibody; Monoclonal DCX; Anti-DCX; Doublecortex; Lissencephaly X-Linked; Doublecortin; DBCN; DC; LISX; SCLH; XLIS; anti-DCX antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4A3
Purity/Purification	DCX antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	365
Applicable Applications for anti-DCX antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	In the developing cortex, cortical neurons must migrate over long distances to reach the site of their fin al differentiation. DCX is a cytoplasmic protein which appears to direct neuronal migration by regulating the organization and stability of microtubules. The protein contains two doublecortin domains, which bind microtubules. In addition, DCX 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.
Cross-Reactivity	Human
Immunogen	DCX antibody was raised in mouse using a full length recombinant protein of human DCX (NP_835365) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant DCX protein using DCX antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant DCX protein (Right) or empty vector (Left) detected with DCX antibody

ADDITIONAL INFORMATION

Related Product Information for anti-DCX antibody	Mouse monoclonal DCX antibody
Product Categories/Family for anti-DCX antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	30181242
NCBI GeneID	1641
NCBI Accession #	NP_835365
NCBI GenBank Nucleotide #	NM_178152.2
UniProt Accession #	O43602; O43911; Q5JYZ5; A6NFY6; A9Z1V8; D3DUY8; D3DUY9; D3DUZ0
Molecular Weight	40,215 Da
NCBI Official Full Name	neuronal migration protein doublecortin isoform b
NCBI Official Synonym Full Names	doublecortin
NCBI Official Symbol	DCX
NCBI Official Synonym Symbols	DC; DBCN; LISX; SCLH; XLIS
NCBI Protein Information	neuronal migration protein doublecortin
UniProt Protein Name	Neuronal migration protein doublecortin
UniProt Gene Name	**DCX**
UniProt Synonym Gene Names	DBCN; LISX; Lis-X
UniProt Entry Name	DCX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/dcx-antibody-clone-4a3-western-blot-immunofluorescence-flow-cytometry-elisa/106561