

Doublecortin/DCX Antibody | anti-DCX antibody

Doublecortin/DCX, Monoclonal Antibody, Mouse

CATALOG # AAA76430	REACTIVITY Bovine, Human, Mouse, Porcine, Rat	APPLICATIONS Western Blot, Immunofluorescence
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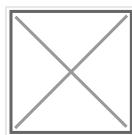
PRODUCT SYNONYMS

Doublecortin/DCX; Monoclonal Antibody; Mouse; anti-DCX antibody

PRODUCT SPECIFICATIONS

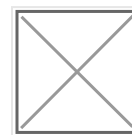
Reactivity	Bovine, Human, Mouse, Porcine, Rat
Form/Format	Supernatant - Liquid
Sequence Length	360
Applicable Applications for anti-DCX antibody	WB (Western Blot), IF (Immunofluorescence)
Type Info	Mouse IgG
Immunogen	Recombinant full length human Doublecortin purified from E Coli.

IMAGES



Application Data

Image: Blots of crude rat brain extract stained with Doublecortin. Protocol on datasheet.



Application Data

Image: E18 hippocampal neurons stained with MAP2 (red) and Doublecortin (green). The two proteins overlap in the proximal dendrites, but doublecortin is more abundant in the growth cones and periphery. As a result, the periphery appears green while the more proximal regions of the cells are yellow. The single longer process of this cell, presumably an axon, has a low doublecortin content and so appears red. Blue staining is the nuclear DNA. Protocol on datasheet.

ADDITIONAL INFORMATION

Related Product Information for anti-DCX antibody	Doublecortin (DCX) has a molecular weight of about 45kDa. The protein contains two domains, each about 90 amino acids long, which are believed to function in binding to microtubules, a C-terminal serine and proline rich region which may become phosphorylated in vivo. DCX is expressed very early in neuronal development, as neuroblasts become post-mitotic, but is lost as neurons mature. Developing neurons start to lose DCX expression about the time that they begin to express NeuN, a neuronal specific RNA binding protein characteristic of more mature neurons. Antibodies to DCX are used to identify stem cells in sections and in tissue culture, and to see if neurogenesis is taking place.
Product Categories/Family for anti-DCX antibody	Antibodies ; Neuronal-Glial Markers ; Neuron/Synapse Markers ; Doublecortin/DCX

NCBI AND UNIPROT INFORMATION

NCBI GI #	2792348
NCBI GeneID	1641

Molecular Weight	40,044 Da
NCBI Official Full Name	doublecortin
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/bovine-human-mouse-ovine-porcine-rat-antibody/doublecortin-dcx/76430>