

Anti-Doublecortin/DCX Monoclonal Antibody

Catalog Number: M01053-1

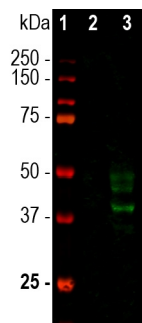
Overview

Product Name	Anti-Doublecortin/DCX Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Doublecortin/DCX Monoclonal Antibody catalog # M01053-1. Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal
Formulation	Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN ₃
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	O43602

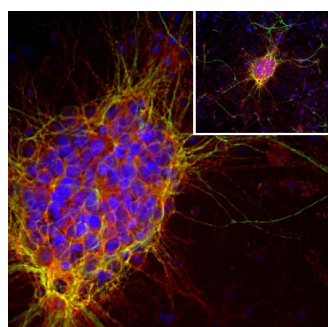
Technical Details

Immunogen	Recombinant full length human Lis-A isoform of DCX purified from E. coli.
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:10,000. IF/ICC and IHC: 1:1,000.

Anti-Doublecortin/DCX Monoclonal Antibody (M01053-1) Images



Western blot analysis of rat whole brain lysates using mouse mAb to doublecortin (DCX), M01053-1, dilution 1:1,000 in green: [1] protein standard (red), [2] adult rat brain, [3] embryonic E20 rat brain. Strong bands at 40kDa and 45kDa correspond to the DCX protein, detected only in the developing brain.



Immunofluorescent analysis of cortical neuron-glia cell culture from E20 rat stained with mouse mAb to doublecortin (DCX), M01053-1, dilution 1:1,000 in red, and costained with chicken pAb to microtubule associated protein 2 (MAP2), dilution 1:10,000 in green. The blue is DAPI staining of nuclear DNA. DCX antibody reveals strong cytoplasmic staining in a population of small developing neurons and their processes, while the MAP2 antibody stains dendrites and perikarya of mature neurons. The DCX antibody is an excellent marker of early developing neuronal cells.

1 Publications Citing This Product

1. PubMed ID: 20973978, Zhang Xm, Du F, Yang D, Yu Cj, Huang Xn, Liu W, Fu J. Bmc Neurosci. 2010 Oct 25;11:138. Doi: 10.1186/1471-2202-11-138. Transplanted Bone Marrow Stem Cells Relocate To Infarct Penumbra And Co-Express Endogenous Proliferative And Immature Neuronal M...

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