

Anti-Doublecortin Antibody



Product Details

Available Variants	100 µL (SKU:451-DCX) 25 µL (SKU:451-DCXt)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	3E1
Gene Name	DCX
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 50% glycerol and 5 mm NaN ₃
Production Notes	Protein G purified culture supernatant.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:5000 WB Brain: 1:5000 IHC: 1:1000 ICC: 1:1000
Species Reactivity	Bovine, Human, Mouse, Rat
Immunogen	Full length recombinant human protein expressed in and purified from E. coli.
Specificity	Specific for endogenous levels of the ~35 kDa & ~45 kDa doublecortin protein.
Molecular Weight	35, 45 kDa
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

-20°C.

Antibody Registry ID AB_2492079

UniProt ID [O43602](#)

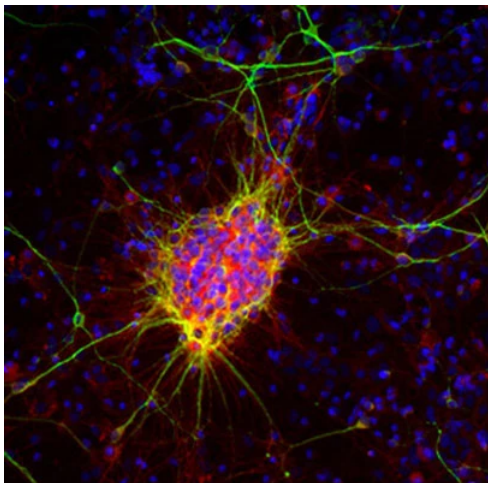
Shipping Blue Ice

Expiration After date of receipt, stable for at least 1 year at -20°C.

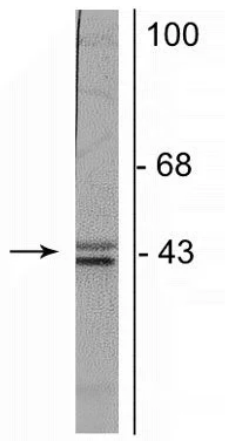
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NCBI Gene ID 1641

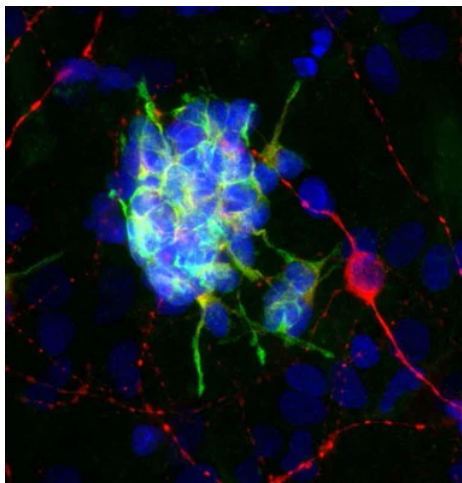
Product Images



Immunofluorescence of rat cortical neuron-glia cells showing strong cytoplasmic labeling of a small population of developing neurons and their processes with Anti-DCX (Cat. 451-DCX, 1:1000, red) while Anti-MAP2 (Cat. 1100-MAP2, 1:10,000, green) labels dendrites and perikarya of mature neurons, and additional nuclear staining was done with DAPI (blue). Anti-doublecortin is an excellent marker of early developing neuronal cells.



Western blot of postnatal day 3 rat brain lysate showing specific immunolabeling of the ~35 kDa and ~45 kDa doublecortin protein.



Immunofluorescence of cultured rat neurons showing strong cytoplasmic staining of doublecortin (Cat. 451-DCX, 1:1000, green) in developing neurons and GFAP (Cat. 621-GFAP, 1:1000, red)

Product Page URL: www.antibodiesinc.com/products/anti-doublecortin-antibody-451-dcx



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