

Anti-Doublecortin Antibody

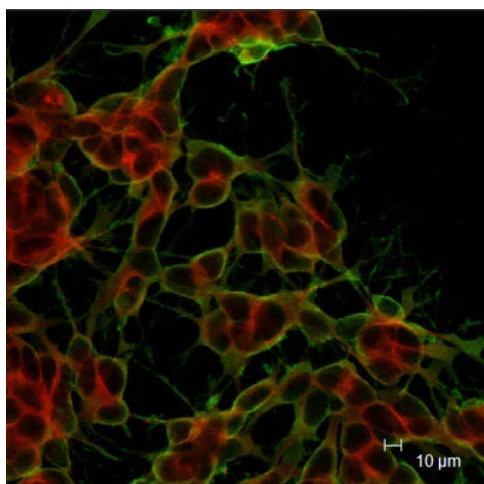


Product Details

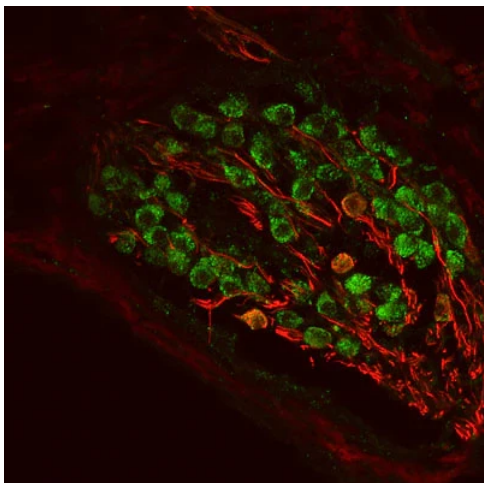
Available Variants	1000 µL (SKU:DCX) 100 µL (SKU:DCX-0020)
Isotype	IgY
Gene Name	DCX DBCN LISX
Host Species	Chicken
Concentration	200 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with two synthetic peptide / keyhole limpet hemocyanin (KLH) conjugates. These synthetic peptides corresponded to different regions of the doublecortin gene product, but are shared between the human (CAA06617.1, NCBI) and mouse (AAT58219.1, NCBI) sequences. After repeated injections, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, and the concentrations of the eluates adjusted to 200 µg/mL. Finally, equal volumes of these affinity-purified anti-peptide antibodies were mixed, and the preparation was filter-sterilized.
Applications	ICC, IHC
Dilution Ranges	IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide
Molecular Weight	40 kDa

Quality Control	This anti-peptide antibody mixture was analyzed by immunohistochemistry (at a dilution of 1:2000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2313540
UniProt ID	<u>O15075</u>
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

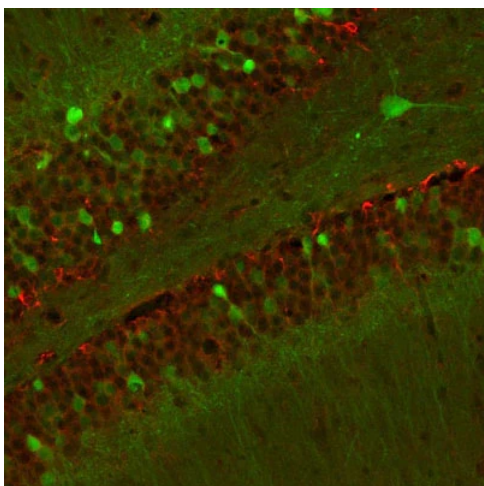
Product Images



Doublecortin (1:1000 dilution, green) staining of neuroblastoma cells in culture. Red staining is a Golgi apparatus marker. Page Balisch (University of Arizona).



Doublecortin (1:1000 dilution, green) staining of a tissue section (4% paraformaldehyde-fixed, paraffin- embedded) through the cochlear ganglion from a neonatal mouse. Red staining is neurofilament, NF-M, visualized with Texas Red-goat anti-rabbit IgG.



Doublecortin (1:1000 dilution, green) staining of a tissue section (4% paraformaldehyde-fixed, paraffin- embedded) through the cerebellar cortex of a neonatal mouse. Red staining is neurofilament, NF- M, visualized with Texas Red-goat anti-rabbit IgG.

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



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