DCX recombinant monoclonal antibody (01)

The anti-DCX antibody is designed for the detection of doublecortin (DCX), a microtubule-associated protein essential for neuronal migration and cortical development.

DCX (doublecortin) is a microtubule-associated protein critical for neuronal migration and cortical development. It is highly expressed in immature neurons during early brain development, where it facilitates cytoskeletal remodeling essential for neuronal dispersion and cortex lamination. DCX is widely used as a marker of neurogenesis and has been implicated in disorders such as lissencephaly X-linked type 1 and subcortical band heterotopia, which result from defects in neuronal migration. Its expression is largely restricted to the developing brain, making it a valuable target for studies of neurodevelopment and related pathologies.

This antibody is covered by our Worry-Free Guarantee.

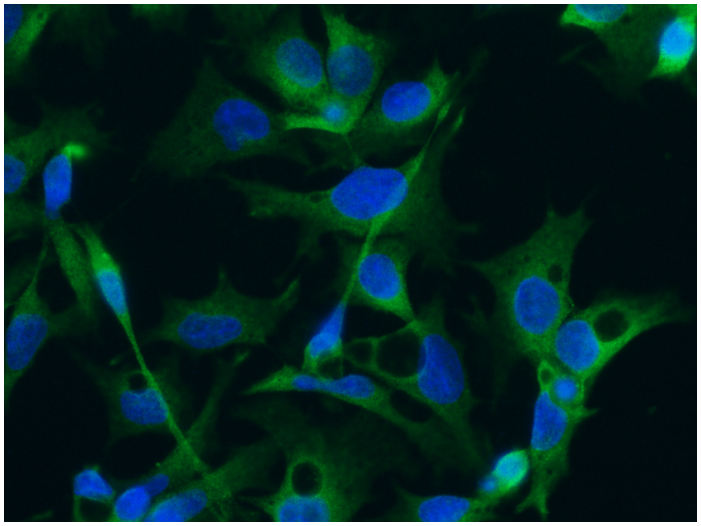
Ordering Information

Order Online »

ENZ-ABS1051-0100	100µl

Manuals, SDS & CofA

View Online »



Immunofluorescence staining of Human DCX in HepG2 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human DCX monoclonal antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

Handling & Storage

Handling	Avoid freeze-thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Neuronal migration protein doublecortin
Application	ICC, IF
Clone	01
Formulation	Liquid. 0.2 μm filtered solution in PBS. Carrier-free. Preservative-free.
Host	Mouse
Immunogen	Recombinant human doublecortin/DCX Protein.
Isotype	IgG
Purity Detail	Protein A purified.
Recommendation Dilutions/Conditions	Immunocytochemistry/Immunofluorescence (1:20-1:100) Suggested dilutions/conditions may not be available for all applications. Optimal conditions must be determined individually for each application.
Source	This product is a recombinant monoclonal antibody expressed from HEK293 cells.
Species Reactivity	Human
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

Last modified: January 9, 2025

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.