

Datasheet for ABIN674184
anti-Doublecortin antibody



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1 Image

Overview

Quantity:	100 µL
Target:	Doublecortin (DCX)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Doublecortin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Doublecortin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Doublecortin (DCX)
Alternative Name:	Doublecortin (DCX Products)
Background:	Synonyms: Doublecortex, DBCN, Dbct, DC, Doublin, Lis X, Lissencephalin X, Lissencephaly X linked, Lissencephaly X linked doublecortin, LISX, Neuronal migration protein doublecortin, SCLH, XLIS.

Target Details

Background: Neuronal Marker Doublecortin (DCX) is a microtubule-associated protein expressed almost exclusively in immature neurons. Neuronal precursors begin to express DCX shortly after exiting the cell cycle, and continue to express DCX for 2-3 weeks as the cells mature into neurons. Downregulation of DCX begins after 2 weeks, and occurs at the same time that these cells begin to express, a marker for mature neurons. Due to the nearly exclusive expression of DCX in developing neurons, this protein has been used increasingly as a marker for neurogenesis. Indeed, the levels of DCX expression increase in response to exercise, which occurs in parallel with increased BrdU labelling, currently a "gold standard" in measuring neurogenesis.

Gene ID: 1641

Application Details

Application Notes: WB: 1:100-1000, IHC-P: 1:100-500, IF(IHC-P): 1:50-200
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

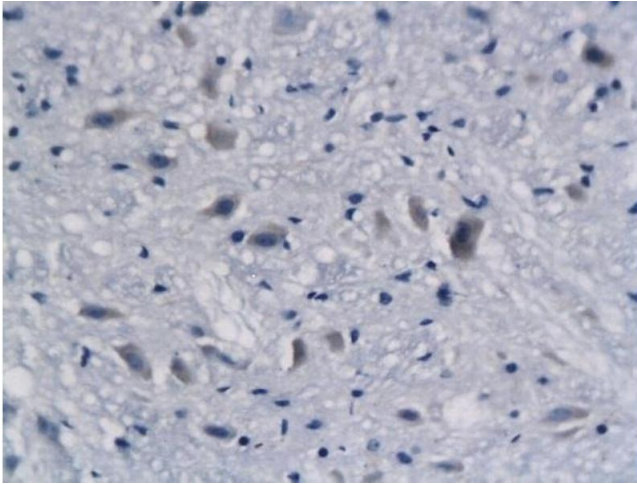
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse brain labeled with Anti-DCX Polyclonal Antibody, Unconjugated (ABIN674184) followed by conjugation to the secondary antibody and DAB staining