

Datasheet for ABIN684313  
**anti-Doublecortin antibody (pSer47)**



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## Overview

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|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                                                                                                                                        |
| Target:              | Doublecortin (DCX)                                                                                                                                                                                                                                                            |
| Binding Specificity: | pSer47                                                                                                                                                                                                                                                                        |
| Reactivity:          | Human, Mouse, Rat                                                                                                                                                                                                                                                             |
| Host:                | Rabbit                                                                                                                                                                                                                                                                        |
| Clonality:           | Polyclonal                                                                                                                                                                                                                                                                    |
| Conjugate:           | This Doublecortin antibody is un-conjugated                                                                                                                                                                                                                                   |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

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|-----------------------|------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human Doublecortin around the phosphorylation site of Ser47 |
| Isotype:              | IgG                                                                                                              |
| Cross-Reactivity:     | Human, Mouse, Rat                                                                                                |
| Predicted Reactivity: | Dog,Cow,Horse,Chicken                                                                                            |
| Purification:         | Purified by Protein A.                                                                                           |

## Target Details

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| Target:           | Doublecortin (DCX)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Alternative Name: | Doublecortin ( <a href="#">DCX Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Background:       | <p>Synonyms: Doublecortex, DBCN, Dbct, DC, Dublin, Lis X, Lissencephalin X, Lissencephaly X linked, Lissencephaly X linked doublecortin, LISX, Neuronal migration protein doublecortin, SCLH, XLIS, p-DCX, p-Doublecortex, phospho-Doublecortex.</p> <p>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.</p> |
| Gene ID:          | 1641                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UniProt:          | <a href="#">O43602</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Application Details

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| Application Notes: | WB 1:300-5000<br>ELISA 1:500-1000<br>FCM 1:20-100<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                                                                                                                   |

## Handling

|                |                                                                       |
|----------------|-----------------------------------------------------------------------|
| Format:        | Liquid                                                                |
| Concentration: | 1 µg/µL                                                               |
| Buffer:        | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |

## Handling

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|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C                                                                                                        |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |
| Expiry Date:       | 12 months                                                                                                          |