

# Anti-CDC25C Antibody (Monoclonal, DCS-193)

Catalog # ABO10413

## Product Information

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| <b>Application</b>       | WB                                                                                                                                                                                   |
| <b>Primary Accession</b> | <a href="#">D4ADT2</a>                                                                                                                                                               |
| <b>Host</b>              | Mouse                                                                                                                                                                                |
| <b>Isotype</b>           | Mouse IgG1                                                                                                                                                                           |
| <b>Reactivity</b>        | Human                                                                                                                                                                                |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                                           |
| <b>Format</b>            | Lyophilized                                                                                                                                                                          |
| <b>Description</b>       | Mouse IgG monoclonal antibody for CDC25C, cell division cycle 25 homolog C ( <i>S. pombe</i> ) (CDC25C) detection. Tested with WB in Human. No cross reactivity with other proteins. |
| <b>Reconstitution</b>    | Add 1ml of PBS buffer will yield a concentration of 100ug/ml.                                                                                                                        |

## Additional Information

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| <b>Calculated MW</b>            | 50896 Da                                                                                                                                                                           |
| <b>Application Details</b>      | Western blot, 1-2 $\mu$ g/ml, Human                                                                                                                                                |
| <b>Subcellular Localization</b> | CDC25C: Nucleus   Cdc25c: Nucleus.                                                                                                                                                 |
| <b>Protein Name</b>             | M-phase inducer phosphatase 3                                                                                                                                                      |
| <b>Contents</b>                 | Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative.                                                                                   |
| <b>Clone Names</b>              | DCS-193                                                                                                                                                                            |
| <b>Immunogen</b>                | Recombinant human Cdc25c.                                                                                                                                                          |
| <b>Purification</b>             | Ascites                                                                                                                                                                            |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins                                                                                                                                            |
| <b>Storage</b>                  | At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |
| <b>Sequence Similarities</b>    | Belongs to the MPI phosphatase family.                                                                                                                                             |

## Protein Information

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## Background

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Cell division cycle(CDC25) gene product is a protein-tyrosine phosphatase, activates a partially purified p34(cdc2)/cyclin B complex. The cdc25 protein also shares homology with a protein phosphatase with activity against both tyrosine and serine(and thus probably threonine) phosphate residues. CDC25C is expressed predominantly in G2 phase in healer cells. The human gene encodes a protein with a predicted molecular mass of 53,000 daltons whose C-terminal domain shares about 37% sequence identity with the fission yeast cdc25 mitotic inducer. CDC25C gene is mapped to 5q31.

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