

## anti-Human CDC25B Antibody | anti-CDC25B antibody

CDC25B (Phospho-Ser353) Antibody

|                               |                            |                                                                  |
|-------------------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA267523</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------|------------------------------------------------------------------|

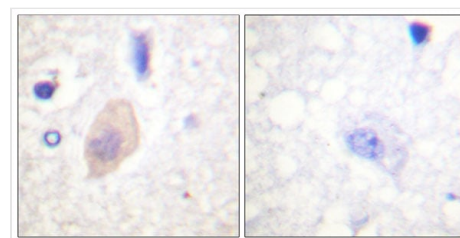
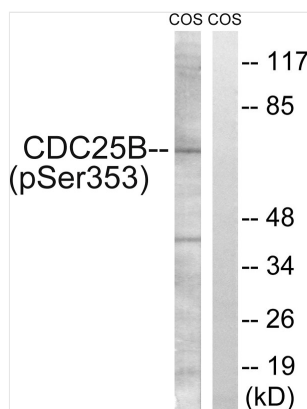
### PRODUCT SYNONYMS

CDC25B; CDC25B (Phospho-Ser353) Antibody; CDC25HU2; CDC25M2; Dual specificity phosphatase Cdc25B; EC 3.1.3.48; M-phase inducer phosphatase 2; MPIP2; anti-CDC25B antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                     |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                       | Human                                                                                                                                                                                                                                               |
| Specificity                                      | CDC25B (Phospho-Ser353) antibody detects endogenous levels of CDC25B only when phosphorylated at serine 353.                                                                                                                                        |
| Purity/Purification                              | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                      | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                  | 468                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-CDC25B antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                        | The antiserum was produced against synthesized phosphopeptide derived from human CDC25B around the phosphorylation site of serine 353 (R-R-SP-V-T).                                                                                                 |
| All Sites                                        | Human: Ser353                                                                                                                                                                                                                                       |
| Preparation and Storage                          | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide-+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using CDC25B (Phospho-Ser353) antibody. Western blot analysis of extracts from COS7 cells, treated with etoposide (25uM, 24hours), using CDC25B (Phospho-Ser353) antibody.

ADDITIONAL INFORMATION

|            |                                                                                                                                                                          |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Sanae Uchida, J. Cell Sci., Jun 2004; 117: 3011-3020. Christina Karlsson, J. Cell Biol., Aug 1999; 146: 573. Stéphanie Dutertre, J. Cell Sci., May 2004; 117: 2523-2531. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 566559982                                                                      |
| NCBI GeneID                      | 994                                                                            |
| NCBI Accession #                 | NP_001274448.1                                                                 |
| NCBI GenBank Nucleotide #        | NM_001287519.1                                                                 |
| UniProt Accession #              | P30305; O43551; Q13971; Q5JX77; Q6RSS1; Q9BRA6; D3DVY1; D3DVY2; D3DVY3; D3DVY4 |
| Molecular Weight                 | 67,241 Da                                                                      |
| NCBI Official Full Name          | M-phase inducer phosphatase 2 isoform 7                                        |
| NCBI Official Synonym Full Names | cell division cycle 25B                                                        |
| NCBI Official Symbol             | CDC25B                                                                         |
| NCBI Protein Information         | M-phase inducer phosphatase 2                                                  |
| UniProt Protein Name             | M-phase inducer phosphatase 2                                                  |
| UniProt Gene Name                | CDC25B                                                                         |
| UniProt Synonym Gene Names       | CDC25HU2                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.