

## Rabbit anti-Human Phospho-CDC25A (S293) Polyclonal Antibody | anti-CDC25A antibody

Phospho-CDC25A (S293) Antibody

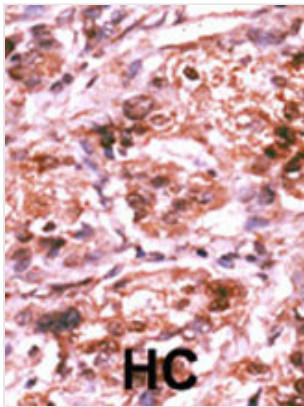
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA289059 | Rabbit | Human      | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

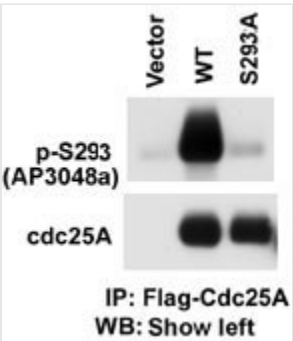
Phospho-CDC25A (S293); Polyclonal Antibody; Phospho-CDC25A (S293) Antibody; M-phase inducer phosphatase 1; Dual specificity phosphatase Cdc25A; CDC25A; anti-CDC25A antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                         |
| Reactivity                                       | Human                                                                                                                                                                          |
| Clonality                                        | Polyclonal                                                                                                                                                                     |
| Isotype                                          | Rabbit Ig                                                                                                                                                                      |
| Specificity                                      | This CDC25A Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S293 of human CDC25A. |
| Purity/Purification                              | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                     |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.   |
| Concentration                                    | Vial Concentration: 0.5 (varies by lot)                                                                                                                                        |
| Sequence Length                                  | 484                                                                                                                                                                            |
| Applicable Applications for anti-CDC25A antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                           |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                              |
| Antigen Source                                   | HUMAN                                                                                                                                                                          |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                         |



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



**WB (Western Blot)**  
The anti-Phospho-CDC25A-S293 Pab is used in Western blot to detect Phospho-CDC25A-S293 in cells transfected with wild type or mutant S293A of CDC25A. Data courtesy of Dr. Tiebang Kang of Washington University, St. Louis, MO.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDC25A antibody | CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for progression from G1 to the S phase of the cell cycle. It activates the cyclin-dependent kinase CDC2 by removing two phosphate groups. CDC25A is specifically degraded in response to DNA damage, which prevents cells with chromosomal abnormalities from progressing through cell division. CDC25A is an oncogene, although its exact role in oncogenesis has not been demonstrated. Two transcript variants encoding different isoforms have been found for this gene. |
| Product Categories/Family for anti-CDC25A antibody   | Cancer; Cell Biology; Phospho Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| References                                           | Ito, Y., et al., Int. J. Mol. Med. 13(3):431-435 (2004).<br>Nemoto, K., et al., Prostate 58(1):95-102 (2004).<br>Goloudina, A., et al., Cell Cycle 2(5):473-478 (2003).<br>Chen, M.S., et al., Mol. Cell. Biol. 23(21):7488-7497 (2003).<br>Chow, J.P., et al., Mol. Biol. Cell 14(10):3989-4002 (2003).                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI GI #                        | 42490758                                |
| NCBI GeneID                      | 993                                     |
| NCBI Accession #                 | NP_001780.2; NP_963861.1                |
| NCBI GenBank Nucleotide #        | NM_001789.2                             |
| UniProt Accession #              | P30304; Q8IZH5; Q96IL3; Q9H2F2          |
| Molecular Weight                 | 59087                                   |
| NCBI Official Full Name          | M-phase inducer phosphatase 1 isoform a |
| NCBI Official Synonym Full Names | cell division cycle 25A                 |
| NCBI Official Symbol             | CDC25A                                  |
| NCBI Official Synonym Symbols    | CDC25A2                                 |
| NCBI Protein Information         | M-phase inducer phosphatase 1           |
| UniProt Protein Name             | M-phase inducer phosphatase 1           |
| UniProt Gene Name                | CDC25A                                  |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/phospho-cdc25a-s293-antibody-immunohistochemistry-western-blot-elisa/289059>