

## Rabbit CDC25B Polyclonal Antibody | anti-CDC25B antibody

CDC25B antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                                             | APPLICATIONS                       |
|-----------|--------|--------------------------------------------------------|------------------------------------|
| AAA198868 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat | Western Blot, Immunohistochemistry |

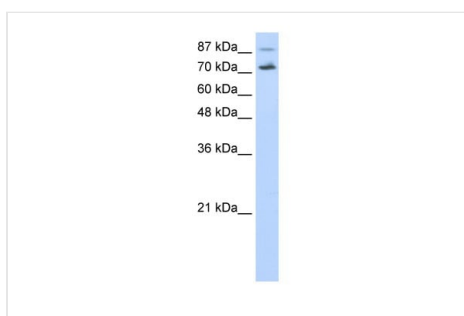
### PRODUCT SYNONYMS

CDC25B; Polyclonal Antibody; CDC25B antibody - N-terminal region; anti-CDC25B antibody

### PRODUCT SPECIFICATIONS

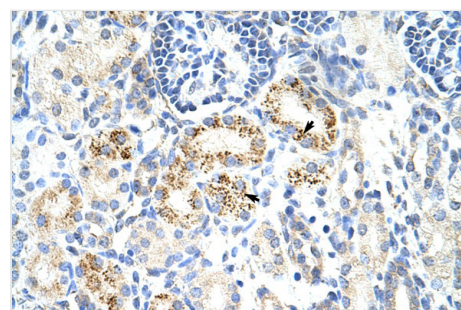
|                                                  |                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                |
| Reactivity                                       | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat                                                                                                |
| Clonality                                        | Polyclonal                                                                                                                                            |
| Purity/Purification                              | Affinity Purified                                                                                                                                     |
| Form/Format                                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                         | Synthetic peptide with the following region: TQ TMHDLA GLGSETPK SQVGT LFRSR SRLTHLSLSRRASES SLSESSE                                                   |
| Sequence Length                                  | 580                                                                                                                                                   |
| Applicable Applications for anti-CDC25B antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Homology                                         | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 86%; Rabbit: 93%; Rat: 100%                                                  |
| Immunogen                                        | The immunogen is a synthetic peptide directed towards the N terminal region of human CDC25B                                                           |
| Preparation and Storage                          | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



**WB (Western Blot)**

WB Suggested Anti-CDC25B Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate



**IHC (Immunohistochemistry)**

Rabbit Anti-CDC25B Antibody Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDC25B antibody | <p>This is a rabbit polyclonal antibody against CDC25B. It was validated on Western Blot and immunohistochemistry</p> <p>Target Description: CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined.CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. Multiple transcript variants for this gene exist.</p> |
| Product Categories/Family for anti-CDC25B antibody   | Polyclonal; Cell Cycle Proteins; Chromatin & Nuclear Signaling; Signal Transduction; Meiosis/Mitosis/Cell Cycle; Immunohistochemistry; Phosphorylation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI GI #                        | 11641413                                |
| NCBI GeneID                      | 994                                     |
| NCBI Accession #                 | NP_068659                               |
| NCBI GenBank Nucleotide #        | NM_021873                               |
| UniProt Accession #              | P30305                                  |
| Molecular Weight                 | 65kDa                                   |
| NCBI Official Full Name          | M-phase inducer phosphatase 2 isoform 1 |
| 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                                |
| UniProt Entry Name               | MPIP2_HUMAN                             |

**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.