

## Rabbit anti-Human, Mouse Cyclin E1 Polyclonal Antibody | anti-CCNE1 antibody

Phospho-Cyclin E1 (Thr77) Antibody

|                               |                       |                                   |                                                           |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA321318</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|

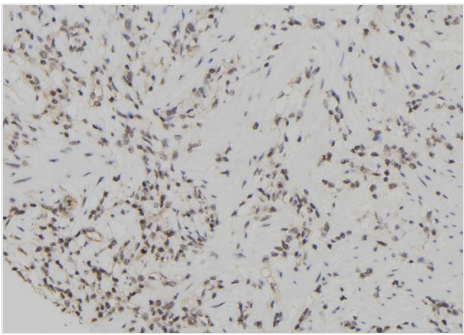
### PRODUCT SYNONYMS

Cyclin E1; Polyclonal Antibody; Phospho-Cyclin E1 (Thr77) Antibody; CCNE; Ccne1; CCNE1\_HUMAN; cyclin E variant ex5del; cyclin E variant ex7del; Cyclin Es; Cyclin Et; CyclinE; G1/S specific cyclin E; G1/S-specific cyclin-E1; anti-CCNE1 antibody

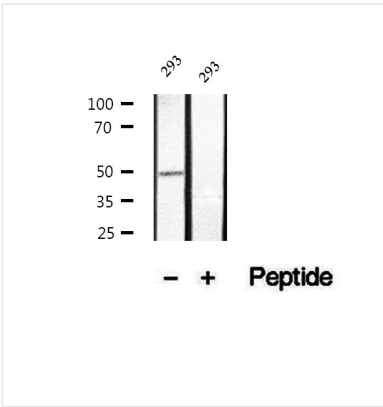
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                         |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                  |
| Reactivity                                      | Human, Mouse                                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                                              |
| Isotype                                         | IgG                                                                                                                                     |
| Specificity                                     | Phospho-Cyclin E1 (Thr77) antibody detects endogenous levels of Cyclin E1.                                                              |
| Purity/Purification                             | From purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns. |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                           |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                  |
| Sequence Length                                 | 410                                                                                                                                     |
| Applicable Applications for anti-CCNE1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                           |
| Immunogen                                       | A synthesized peptide derived from human Cyclin E1 around the phosphorylation site of Thr77.                                            |
| Subcellular Location                            | Nucleus.                                                                                                                                |
| Tissue Specificity                              | Highly expressed in testis and placenta. Low levels in bronchial epithelial cells.                                                      |
| Predicted Cross Reactivity                      | <b>Pig, Bovine, Horse, Sheep, Chicken</b>                                                                                               |
| Similarity                                      | Pig (83%), Bovine (92%), Horse (92%), Sheep (92%), Chicken (90%)                                                                        |
| Conjugation                                     | Unconjugated                                                                                                                            |
| Epitope                                         | Phospho Thr77                                                                                                                           |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                       |

IMAGES



**IHC (Immunohistochemistry)**  
AAA321318 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**WB (Western Blot)**  
Western blot analysis of extracts of 293 cells, using Phospho-Cyclin E1 (Thr77) Antibody.

ADDITIONAL INFORMATION

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|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CCNE1 antibody</b> | <p>Function: Essential for the control of the cell cycle at the G1/S (start) transition.</p> <p>Subunit Structure: Interacts with a member of the CDK2/CDK protein kinases to form a serine/threonine kinase holoenzyme complex. The cyclin subunit imparts substrate specificity to the complex. Found in a complex with CDK2, CABLES1 and CCNA1 (By similarity). Part of a complex consisting of UHRF2, CDK2 and CCNE1. Interacts directly with UHRF2; the interaction ubiquitinates CCNE1 and appears to occur independently of CCNE1 phosphorylation.</p> <p>Post-translational Modifications: Phosphorylation of both Thr-395 by GSK3 and Ser-399 by CDK2 creates a high affinity degron recognized by FBXW7, and accelerates degradation via the ubiquitin proteasome pathway. Phosphorylation at Thr-77 creates a low affinity degron also recognized by FBXW7. Ubiquitinated by UHRF2; appears to occur independently of phosphorylation.</p> <p>Similarity: Belongs to the cyclin family. Cyclin E subfamily.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 17318559                                       |
| NCBI GeneID                      | 898                                            |
| NCBI Accession #                 | NP_001229.1                                    |
| NCBI GenBank Nucleotide #        | NM_001238.3                                    |
| UniProt Accession #              | P24864; Q14091; Q8NFG1; Q92501; Q9UD21; A8K684 |
| Molecular Weight                 | Observed: 48 kDa<br>Predicted: 48 kDa          |
| NCBI Official Full Name          | G1/S-specific cyclin-E1 isoform 1              |
| NCBI Official Synonym Full Names | cyclin E1                                      |
| NCBI Official Symbol             | CCNE1                                          |
| NCBI Official Synonym Symbols    | CCNE; pCCNE1                                   |
| NCBI Protein Information         | G1/S-specific cyclin-E1                        |
| UniProt Protein Name             | G1/S-specific cyclin-E1                        |
| UniProt Gene Name                | CCNE1                                          |
| UniProt Synonym Gene Names       | CCNE                                           |

**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/cyclin-e1-antibody-immunohistochemistry-western-blot-elisa/321318>