# Anti-Cyclin E2 antibody

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| **Description** | Rabbit polyclonal to Cyclin E2. |

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| **Model** | STJ92544 |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Applications** | ELISA, IF, IHC, WB |
| **Immunogen** | Synthesized peptide derived from human Cyclin E2 around the non-phosphorylation site of T392. |
| **Immunogen Region** | 330-410 aa |
| **Gene ID** | 9134 |
| **Gene Symbol** | CCNE2 |
| **Dilution range** | WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000 |
| **Specificity** | Cyclin E2 Polyclonal Antibody detects endogenous levels of Cyclin E2 protein. |
| **Tissue Specificity** | According to PubMed:9858585, highest levels of expression in adult testis, thymus and brain. Lower levels in placenta, spleen and colon. Consistently elevated levels in tumor-derived cells compared to non-transformed proliferating cells. According to PubMed:9840927: low levels in thymus, prostate, brain, skeletal muscle, and kidney. Elevated levels in lung. According to PubMed:9840943 highly expressed in testis, placenta, thymus and brain. In a lesser extent in small intestine and colon. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

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| **Note** | For Research Use Only (RUO). |
| **Protein Name** | G1/S-specific cyclin-E2 |
| **Molecular Weight** | 46 kDa |
| **Clonality** | Polyclonal |
| **Conjugation** | Unconjugated |
| **Isotype** | IgG |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:1590OMIM:603775 |
| **Alternative Names** | G1/S-specific cyclin-E2 |
| **Function** | Essential for the control of the cell cycle at the late G1 and early S phase. |
| **Cellular Localization** | Nucleus |
| **Post-translational Modifications** | Phosphorylation by CDK2 triggers its release from CDK2 and degradation via the ubiquitin proteasome pathway. |