**Cyclin E1 Polyclonal ANTIBODY**

**Catalog Number:** 11554-1-AP

### Basic Information

- **Catalog Number:** 11554-1-AP
- **GenBank Accession Number:** BC085498
- **GeneID (NCBI):** 898
- **Full Name:** cyclin E1
- **Calculated MW:** 410aa, 47 kDa
- **Observed MW:** 47 kDa

**Recommended Dilutions:** WB: 1:500-1:2000

### Applications

- **Tested Applications:** FC, WB, ELISA
- **Cited Applications:** IHC, WB
- **Species Specificity:** human, mouse
- **Cited Species:** Artemia, human, mouse, rat, zebrafish

### Background Information

Cyclin E1 (CCNE1) is a member of the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. CCNE1, an essential cyclin activating Cdk2, regulates the G1-S phase transition of the mammalian cell division cycle. Its timing expression plays a direct role in the initiation of DNA replication, the control of histone biosynthesis, and the centrosome cycle. CCNE1 is associated with disease progression in various malignancies and is associated clinically with poor prognosis.

### Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
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<tbody>
<tr>
<td>Hao Yang</td>
<td>27706261</td>
<td>Oncotarget</td>
<td>WB</td>
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<td>Guang-Zhi Zeng</td>
<td>29097252</td>
<td>J Ethnopharmacol</td>
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<td>Wenke Xiao</td>
<td>25305642</td>
<td>Int J Oncol</td>
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### Storage

- **Storage:** Store at -20ºC. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20ºC storage**

For technical support and original validation data for this product, please contact:

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E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
MCF-7 cells were subjected to SDS PAGE followed by western blot with 11554-1-AP Cyclin E1 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours. 1X10^6 MCF-7 cells were stained with 0.2ug Cyclin E1 antibody (11554-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.