

## Cyclin E2 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP02356
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Cyclin E2. AA range:355-404
<b>Mol wt</b>	46757
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Cyclin E2 Antibody
<b>Synonyms</b>	CCNE2; G1/S-specific cyclin-E2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

The protein encoded by CCNE2 (cyclin E2) belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK2. This cyclin has been shown to specifically interact with CIP/KIP family of CDK inhibitors, and plays a role in cell cycle G1/S transition. The expression of CCNE2 peaks at the G1-S phase and exhibits a pattern of tissue specificity distinct from that of cyclin E1. A significantly increased expression level of this gene was observed in tumor-derived cells.

### Recommended Dilution

WB: 1: 500 - 1: 2000

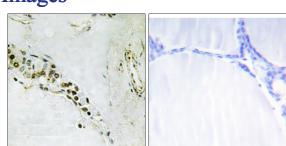
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

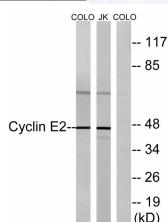
ELISA: 1: 5000

Not yet tested in other applications.

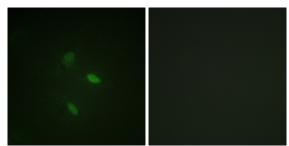
### Images



Immunohistochemistry analysis of paraffin-embedded human thyroid gland tissue, using Cyclin E2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO and Jurkat cells, using Cyclin E2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of NIH/3T3 cells, using Cyclin E2 Antibody. The picture on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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