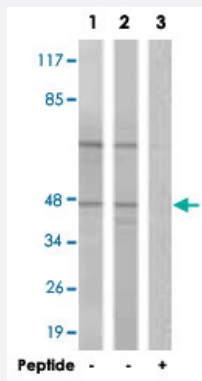


# CCNE2 polyclonal antibody

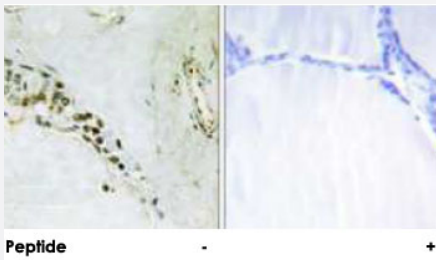
Catalog # PAB18330      Size 100 ug

## Applications



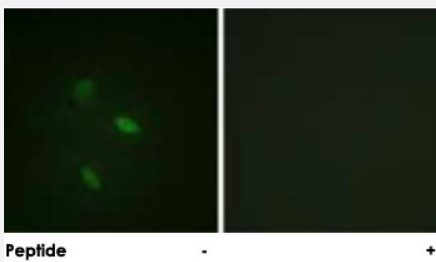
### Western Blot (Cell lysate)

Western blot analysis of extracts from COLO cells (Lane 1 and lane 3) and Jurkat cells (Lane 2), using CCNE2 polyclonal antibody (Cat # PAB18330). Peptide "+" means "peptide blocking".



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human thyroid gland tissue using CCNE2 polyclonal antibody (Cat # PAB18330). Peptide "+" means "peptide blocking".



### Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using CCNE2 polyclonal antibody (Cat # PAB18330). Peptide "+" means "peptide blocking".

## Specification

### Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CCNE2.

<b>Immunogen</b>	A synthetic peptide corresponding to residues surrounding T392 of human CCNE2.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Specificity</b>	This antibody is specific to CCNE2.
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Concentration</b>	1 mg/mL
<b>Recommend Usage</b>	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from COLO cells (Lane 1 and lane 3) and Jurkat cells (Lane 2), using CCNE2 polyclonal antibody (Cat # PAB18330).

Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human thyroid gland tissue using CCNE2 polyclonal antibody (Cat # PAB18330).

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- Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using CCNE2 polyclonal antibody (Cat # PAB18330).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CCNE2

**Entrez GeneID** [9134](#)**Protein Accession#** [O96020](#)**Gene Name** CCNE2**Gene Alias** CYCE2**Gene Description** cyclin E2**Omim ID** [603775](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary**

The protein encoded by this gene 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 this gene 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. [provided by RefSeq]

**Other Designations** G1/S-specific cyclin E2

## Pathway

- [Cell cycle](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)