

## Anti-Cyclin E2 CCNE2 Antibody

Catalog Number: A04536

### About CCNE2

This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. Cyclin E was first identified by its ability to rescue growth of yeast deficient in G1 Cyclins, indicating a role in G1 or G1/S transitions. Over-expression of Cyclin E has been observed in a variety of human tumors. Multiple isoforms of Cyclin E are expressed in tumors but not in normal tissues, suggesting a post-transcriptional regulation of Cyclin E. Cyclin E2 associates with Cdk2 in a functional kinase complex that is inhibited by both p27Kip1 and p21Cip1. The catalytic activity associated with Cyclin E2 complexes is cell cycle regulated and peaks at the G1/S transition. Unlike Cyclin E1, which is expressed in most proliferating normal and tumor cells, Cyclin E2 levels were low to undetectable in non-transformed cells and increased significantly in tumor-derived cells.

### Overview

Product Name	Anti-Cyclin E2 CCNE2 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Cyclin E2 CCNE2 Antibody (Catalog # A04536). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q9Z238

### Technical Details

Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids at the carboxyl terminus of the Cyclin E2 protein.
Predicted Reactive Species	Chimpanzee
Isotype	IgG
Form	Liquid (sterile filtered)

Concentration	1.17 mg/mL by UV absorbance at 280 nm
Purification	This affinity purified antibody is directed against mouse Cyclin E2 protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with Cyclin E2 protein from human based on 100% homology with the immunizing sequence. Cross-reactivity with Cyclin E2 from rat is also predicted based on a 91% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA: 1:20,000 - 1:85,000</p> <p>IP: 1:100</p> <p>WB: 1:200 - 1:2,000</p>

## Anti-Cyclin E2 CCNE2 Antibody (A04536) Images



Western blot analysis of Cyclin E2 expression in Cell extracts over-expressing mouse Cyclin E1 (lane 1) and Cyclin E2 (lane 2). Cyclin E2 was detected using rabbit anti-Cyclin E2 Antigen Affinity purified polyclonal antibody (Catalog # A04536). Personal Communication, Philipp Kaldis, CCR-NCI, Frederick, MD.

## 2 Publications Citing This Product

1. PubMed ID: 31974617, Wang S,Zhang C,Zhang X.Downregulation of long non-coding RNA ANRIL promotes proliferation and migration in hypoxic human pulmonary artery smooth muscle cells.Mol Med Rep.2020 Feb;21(2):589-596.doi:10.3892/mmr.2019.10887.Epub 2019 Dec 17.PMID:31974617; PMC

2. PubMed ID: 25523932, Xu Lx, Li Zh, Tao Yf, Li Rh, Fang F, Zhao H, Li G, Li Yh, Wang J, Feng X, Pan J. J Exp Clin Cancer Res. 2014 Dec 19;33:108. Doi: 10.1186/S13046-014-0108-3. Histone Acetyltransferase Inhibitor li Induces Apoptosis In Glioma Cell Lines Via The P53 S...

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