## antibodies - online.com







## anti-Cyclin E2 antibody (C-Term)



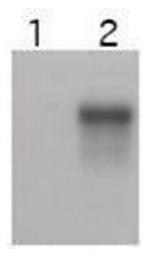


Overview

Overview	
Quantity:	100 μg
Target:	Cyclin E2 (CCNE2)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin E2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product 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 of the Cyclin E2
	protein.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Target Details	
Target:	Cyclin E2 (CCNE2)
Alternative Name:	Cyclin E2 (CCNE2 Products)

## **Target Details**

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Background:	This antibody is designed, produced, and 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.
	Synonyms: G1/S-specific cyclin-E2
Gene ID:	12448, 3769612
UniProt:	Q9Z238
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases
Application Details	
Application Notes:	This affinity purified antibody has been tested for use in ELISA and western blotting. Specific
	conditions for reactivity should be optimized by the end user. Expect a band approximately 50
	kDa in size corresponding to Cyclin E2 protein by western blotting in the appropriate cell lysate
	or extract.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1.17 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C



## **Western Blotting**

**Image 1.** Western blot using affinity purified anti-Cyclin E2 antibody shows specific detection of Cyclin E2. Cell extracts over-expressing mouse Cyclin E1 (lane 1) and Cyclin E2 (lane 2) were electrophoresed, transferred to nitrocellulose, and probed with the anti-Cyclin E2 antibody. The affinity purified antibody also detects endogenous Cyclin E2 in Skp2-/- MEF cells. (data not shown). Personal Communication, Philipp Kaldis, CCR-NCI, Frederick, MD.