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Product datasheet for TA319335

Ccne2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:20,000 - 1:85,000, WB: 1:200 - 1:2,000, IP: 1:100
Reactivity:	Mouse, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
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.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cyclin E2
Database Link:	NP_001032211 Entrez Gene 9134 HumanEntrez Gene 12448 Mouse Q9Z238
Synonyms:	CYCE2

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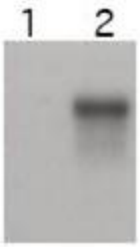
Note: This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. Cyclin E was first identified by its ability to rescue growth of yeast deficient in G1 Cyclins, indicating a role in G1 or G1/S transitions. Over-expression of Cyclin E has been observed in a variety of human tumors. 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.

Product images:



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.