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Cyclin E1 Polyclonal Antibody

Cat #: G-AB-05315

Host: Rabbit **Reactivity:** Human

Isotype: IgG **Clonality:** Polyclonal

Overview:
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, whose activity is required for cell cycle G1/S transition. This protein accumulates at the G1-S phase boundary and is degraded as cells progress through S phase. Overexpression of this gene has been observed in many tumors, which results in chromosome instability, and thus may contribute to tumorigenesis. This protein was found to associate with, and be involved in, the phosphorylation of NPAT protein (nuclear protein mapped to the ATM locus), which participates in cell-cycle regulated histone gene expression and plays a critical role in promoting cell-cycle progression in the absence of pRB.

Gene ID:

Accession #:

Immunogen: KLH conjugated Synthetic peptide corresponding to Mouse Cyclin E1

Conjugation: Unconjugated

Swissprot: P24864,Q61457

Calculated Molecular Weight:

Observed Molecular Weight:

Concentration: 0.98 mg/mL

Buffer: PBS with 0.02% sodium azide, 1% BSA and 50% glycerol, pH7.4

Purification Method: Affinity purification

Application: IHC

Dilution: IHC 1:300-1:1000

Storage: Store at -20°C. Avoid freeze / thaw cycles.