CCNE1 Polyclonal Antibody

Catalog No.	A14225	**Category**	Polyclonal Antibodies
Applications	WB	**Observed MW**	50kDa
Cross-reactivity	Human, Mouse, Rat	**Calculated MW**	47kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 300-410 of human CCNE1 (NP_001229.1).
Gene ID	898
Swiss prot	P24864
Synonyms	CCNE1; CCNE; pCCNE1; cyclin E1

Product information

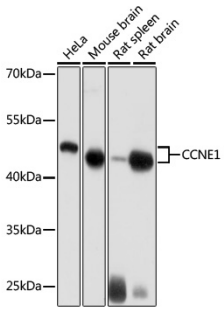
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

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.

Recommended Dilutions

WB 1:500 - 1:2000



Western blot - CCNE1 Polyclonal Antibody (A14225)

Phone: *888.754.5670*
Email: *info@abclonal.com*