

Rabbit cyclin E Polyclonal Antibody | anti-Ccne1 antibody

cyclin E (C19) Antibody

CATALOG # AAA63006	HOST Rabbit	APPLICATIONS Immunohistochemistry, Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

cyclin E; Polyclonal Antibody; cyclin E (C19) Antibody; anti-Ccne1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Specificity	Cyclin E (C19) MBS440015 reacts with cyclin E of mouse, rat, and human origin
Form/Format	Each vial contains 200 ug/ml of affinity purified rabbit IgG, cyclin E (C19) MBS440015, in 1 ml PBS containing 0.1 % sodium azide and 0.2% gelatin.
Applicable Applications for anti-Ccne1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Host Note	Cyclin E (C19) is provided as an affinity purified rabbit polyclonal antibody, raised against a peptide mapping to the carboxy terminus of rat cyclin E.
Competition Studies	A blocking peptide is also available, for use in competition studies. Each vial contains 100 ug of peptide in 0.5 ml PBS with 0.1% sodium azide and 100 ug BSA.
Preparation and Storage	Store this product at 4° C, do not freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-Ccne1 antibody	During each cell cycle cyclins undergo periodic accumulation and destruction. As key regulators of the cell cycle the cyclins control important transitions by activating Cdks (1,2). Early in the G1 phase of the cell cycle cyclin D1 induction is followed by cyclin E induction (3,4). This sequential progression is marked early on in G1 by the activation of Cdk4 and in mid to late G1 by the activation of Cdk2 and the hyperphosphorylation of pRB (3,5). The final transition into S phase is thought to be dependent on the increased expression and association of cyclin E and Cdk2 (5,6).
References	1.) Song SY, Lee I, Park C, Lee H, Hahm JC, Kang WK. 2005. Neolignans from Saururus chinensis inhibit PC-3 prostate cancer cell growth via apoptosis and senescence-like mechanisms. Int J Mol Med. Oct;16(4):517-23. 1. Bandara LR, Adamczewski JP, Zamanian M, Poon RY, Hunt T, Thangue NB. 1992. Cyclin A recruits p33cdk2 to the cellular transcription factor DRTF1. J Cell Sci Suppl 16: 77-85.2. Desdouets C, Sobczak-Thépot J, Murphy M, Brechot C. 1995. Cyclin A: Function and expression during cell proliferation. Prog Cell Cycle Res 1:115-123.3. Musgrove EA, Sarcevic B, Sutherland RL. 1996. Inducible expression of cyclin D1 in T-47D human breast cancer cells is sufficient for Cdk2 activation and pRB hyperphosphorylation. J Cell Biochem 60(3): 363-378.4. Geng Y, Whoriskey W, Park MY, Bronson RT, Medema RH, Li T, Weinberg RA, Sicinski P. 1999. Rescue of cyclin D1 deficiency by knockin cyclin E. Cell 97(6): 767-777.5. Prall OW, Sarcevic B, Musgrove EA, Watts CK, Sutherland RL. 1997. Estrogen-induced activation of Cdk4 and Cdk2 during G1-S phase progression is accompanied by increased cyclin D1 expression and decreased cyclin-dependent kinase inhibitor association with cyclin E-Cdk2. J Biol Chem 272(16): 10882-10894.6. Sauer K, Lehner CF. 1995. The role of cyclin E in the regulation of entry into S phase. Prog Cell Cycle Res 1: 125-139.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158187539
NCBI GeneID	25729
NCBI Accession #	NP_001094291.1
NCBI GenBank Nucleotide #	NM_001100821.1
UniProt Accession #	P39949; O09138
NCBI Official Full Name	G1/S-specific cyclin-E1
NCBI Official Synonym Full Names	cyclin E1
NCBI Official Symbol	Ccne1
NCBI Official Synonym Symbols	Ccne; CYCLE
NCBI Protein Information	G1/S-specific cyclin-E1; cyclin E
UniProt Protein Name	G1/S-specific cyclin-E1
UniProt Gene Name	Ccne1
UniProt Synonym Gene Names	Ccne
UniProt Entry Name	CCNE1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cyclin-e-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/63006>