

Rabbit anti-Human Cyclin E Polyclonal Antibody | anti-CCNE1 antibody

Anti-Cyclin E Antibody, Rabbit Polyclonal

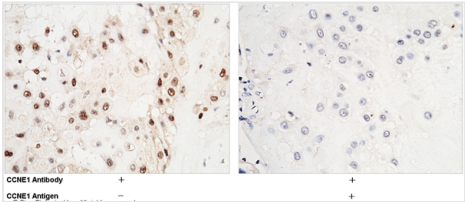
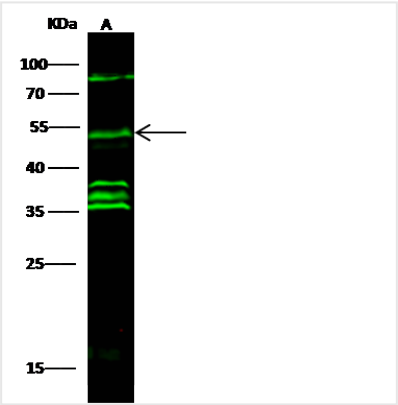
CATALOG # AAA255247	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

Cyclin E; Polyclonal Antibody; Anti-Cyclin E Antibody; Rabbit Polyclonal; CCNE1/Cyclin-E1 Antibody; Rabbit PAb; Antigen Affinity Purified; cyclin E1; Anti-CCNE Antibody; anti-CCNE1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CCNE1/Cyclin-E1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CCNE1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human CCNE1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CCNE1 (rh CCNE1). CCNE1 specific IgG was purified by human CCNE1 affinity chromatography .
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human CCNE1 in human placenta with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections. The image showing nucleus staining of decidual cells. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).

WB (Western Blot)
Anti-CCNE1 rabbit polyclonal antibody at 1:500 dilutionLane A: U87-MG Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:47 kDaObserved band size:47 kDa(We are unsure as to the identity of these extra bands.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNE1 antibody	Cyclin E1 is a member of the highly conserved cyclin family and belongs to the E-type cyclin that functions as a regulator of S phase entry and progression in mammalian cells. Cyclin E1 serves as regulatory subunits that bind, activate, and provide substrate for its associated cyclin-dependent kinase2 (CDK2), whose activity is essential for cell cycle G1/S transition. Over expression of this encoding gene has been found in many tumors, which results in chromosome instability and by extension, induce tumorigenesis. This protein was also 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. In general, cyclin E1, as an activator of phospho-CDK2 (pCDK2), is important for cell cycle progression and is frequently overexpressed in cancer cells.
Product Categories/Family for anti-CCNE1 antibody	p53 Pathway
References	Honda R, et al. (2005) The structure of cyclin E1/CDK2: implications for CDK2 activation and CDK2-independent roles. The EMBO Journal. 24: 452-63.Geng Y, et al. (2007) Kinase-Independent Function of Cyclin E. 25(1): 127-39.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17318559
NCBI GeneID	898
NCBI Accession #	NP_001229.1
NCBI GenBank Nucleotide #	NM_001238.2
UniProt Accession #	P24864; Q14091; Q8NFG1; Q92501; Q9UD21; A8K684
Molecular Weight	47,077 Da
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
NCBI Protein Information	G1/S-specific cyclin-E1; cyclin Es; cyclin Et
UniProt Protein Name	G1/S-specific cyclin-E1

UniProt Gene Name	CCNE1
UniProt Synonym Gene Names	CCNE
UniProt Entry Name	CCNE1_HUMAN

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://stage.aaabiotech.com/polyclonal/cyclin-e-antibody-immunohistochemistry-western-blot-elisa/255247>