Rabbit anti-Human Cyclin E1 Monoclonal Antibody | anti-CCNE1 antibody

Cyclin E1 Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282965	**Rabbit**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

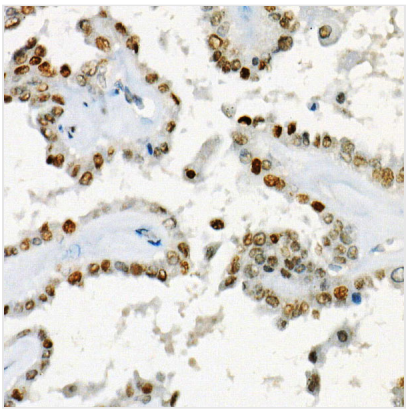
PRODUCT SYNONYMS

Cyclin E1; Monoclonal Antibody; Cyclin E1 Rabbit PolymAb; CCNE; pCCNE1; anti-CCNE1 antibody

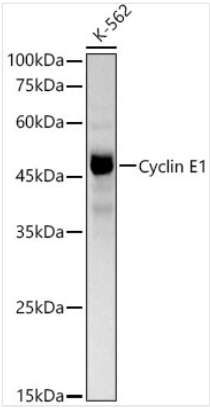
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	AASALYHFSS SELMQKVSGY QWCDIENCVK WMVPFAMVIR ETGSSKLKHF RGVADEDAHN IQTHRDSLDL LDKARAKKAM LSEQNRASPL PSGLLTPPQS G
Applicable Applications for anti-CCNE1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 300-400 of human Cyclin E1 Rabbit PolymAb (NP_001229.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer using Cyclin E1 Rabbit PolymAb® (AAA282965) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



WB (Western Blot)
Western blot analysis of lysates from K-562 cells, using Cyclin E1 Rabbit PolymAb® (AAA282965) at 1:10000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNE1 antibody	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.
Product Categories/Family for anti-CCNE1 antibody	Epigenetics Nuclear Signaling; Protein phosphorylation; Cancer; ATM Signaling Pathway; Cell Biology Developmental Biology; Cell Cycle; Centrosome; Cell Cycle Control-G1 S Checkpoint; Antibodies

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	Calculated MW: 47kDa Observed MW: 47kDa
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/monoclonal/cyclin-e1-antibody-immunohistochemistry-western-blot-elisa/282965