

Mouse anti-Human Cyclin E Monoclonal Antibody | anti-CCNE1 antibody

Anti-Cyclin E Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255246	Mouse	Human	Immunohistochemistry

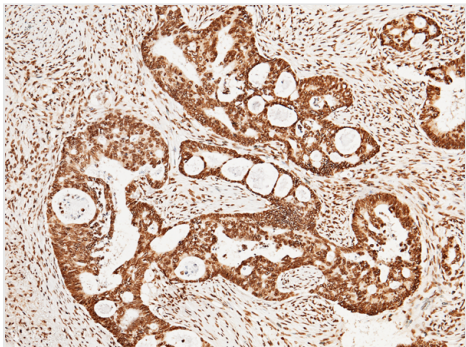
PRODUCT SYNONYMS

Cyclin E; Monoclonal Antibody; Anti-Cyclin E Antibody; Mouse Monoclonal; CCNE1/Cyclin-E1 Antibody; Mouse MAb; cyclin E1; Anti-CCNE Antibody; anti-CCNE1 antibody

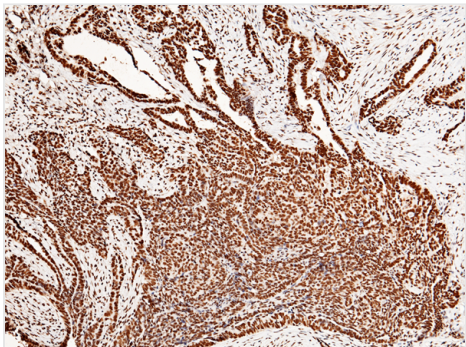
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	11
Specificity	Human CCNE1/Cyclin-E1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CCNE1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human CCNE1/Cyclin-E1 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CCNE1/Cyclin-E1 (rh CCNE1/Cyclin-E1). The IgG fraction of the cell culture supernatant was purified by Protein A 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.

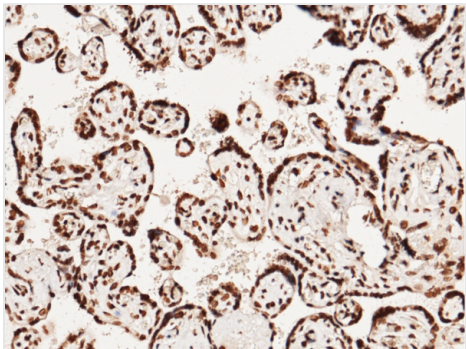
IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human CCNE1 in human colon carcinoma with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). The image showing nucleus staining of cells.



IHC (Immunohistochemistry)
Immunochemical staining of human CCNE1 in human ovarian cancer with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). The image showing nucleus staining of cells.



IHC (Immunohistochemistry)
Immunochemical staining of human CCNE1 in human placenta with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). The image showing nucleus staining of cells.

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/monoclonal/cyclin-e-antibody-clone-11-immunohistochemistry-elisa/255246>