Elabscience Bionovation Inc.



A Reliable Research Partner in Life Science and Medicine

CCNE1/Cyclin-E1 Monoclonal Antibody

catalog number: AN200193P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Immunogen Recombinant Human CCNE1/Cyclin-E1 protein

 Host
 Mouse

 Isotype
 IgG1

 Clone
 A1045

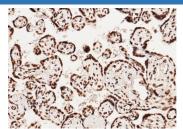
 Purification
 Protein A

Buffer 0.2 µm filtered solution in PBS

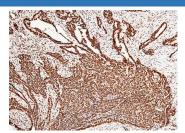
Applications Recommended Dilution

IHC-P 1:50-1:200

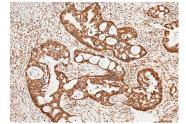
Data



Immunohistochemistry of paraffin-embedded human placenta using CCNE1/Cyclin-E1 Monoclonal Antibody at dilution of 1:60. The image showing nucleus staining of cells.



Immunohistochemistry of paraffin-embedded human ovarian cancer using CCNE1/Cyclin-E1 Monoclonal Antibody at dilution of 1:60. The image showing nucleus staining of cells.



Immunohistochemistry of paraffin-embedded human colon carcinoma using CCNE1/Cyclin-E1 Monoclonal Antibody at dilution of 1:60. The image showing nucleus staining of cells.

Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

Background

For Research Use Only

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Rev. V1.1

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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.

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