

Anti-CCNE1 antibody

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|-----------------|---|
| Cat. No. | ml160239 |
| Package | 25 µl/100 µl/200 µl |
| Storage | -20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol |

Product overview

| | |
|---------------------|---------------------------------------|
| Description | Anti-CCNE1 rabbit polyclonal antibody |
| Applications | ELISA, IHC |
| Immunogen | Synthetic peptide of human CCNE1 |
| Reactivity | Human |
| Content | 0.4 mg/ml |
| Host species | Rabbit |
| Ig class | Immunogen-specific rabbit IgG |
| Purification | Antigen affinity purification |

Target information

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|------------------|-----------|
| Symbol | CCNE1 |
| Full name | Cyclin E1 |
| Synonyms | CCNE |
| Swissprot | P24864 |

Target Background

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. Two alternatively spliced transcript variants of this gene, which encode distinct isoforms, have been described. Two additional splice variants were reported but detailed nucleotide sequence information is not yet available.

订购热线: 4008-898-798

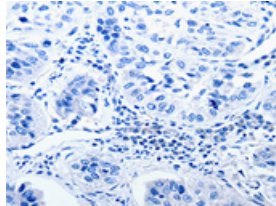
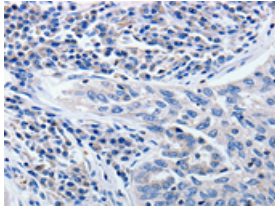
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human lung cancer

Recommended dilution: 5-20



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml160239(CCNE1 Antibody) at dilution 1/5, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

ELISA

Recommended dilution: 500-5000

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