

CCNE2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16762a**Specification**

CCNE2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O96020](#)**CCNE2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 9134**Other Names**

G1/S-specific cyclin-E2, CCNE2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CCNE2 Antibody (N-term) Blocking Peptide - Protein Information**Name** CCNE2**Function**

Essential for the control of the cell cycle at the late G1 and early S phase.

Cellular Location

Nucleus.

Tissue Location

According to PubMed:9858585, highest levels of expression in adult testis, thymus and brain. Lower levels in placenta, spleen and colon. Consistently elevated levels in tumor-derived cells compared to non-transformed proliferating cells. According to PubMed:9840927: low levels in thymus, prostate, brain, skeletal muscle, and kidney. Elevated levels in lung. According to PubMed:9840943 highly expressed in testis, placenta, thymus and brain. In a lesser extent in small intestine and colon

CCNE2 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CCNE2 Antibody (N-term) Blocking Peptide - Images

CCNE2 Antibody (N-term) Blocking Peptide - 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. This cyclin has been shown to specifically interact with CIP/KIP family of CDK inhibitors, and plays a role in cell cycle G1/S transition. The expression of this gene peaks at the G1-S phase and exhibits a pattern of tissue specificity distinct from that of cyclin E1. A significantly increased expression level of this gene was observed in tumor-derived cells. [provided by RefSeq].

CCNE2 Antibody (N-term) Blocking Peptide - References

Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009) Dapas, B., et al. Mol. Med. 15 (9-10), 297-306 (2009) :Caldon, C.E., et al. Mol. Cell. Biol. 29(17):4623-4639(2009) Masamha, C.P., et al. Cancer Res. 69(16):6565-6572(2009) Wu, Z., et al. Neoplasia 11(1):66-76(2009)