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- Diagnostik & molekulare Diagnostik
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CCNE1/CEN19p FISH Probe

Catalog Number: FG0013

Regulatory Status: For research use only (RUO)

Product Description: Labeled FISH probes for identification of gene amplification using Fluoresecent In Situ Hybridization Technique. (Technology)

Applications: FISH-Ce, FISH-P
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Supplied Product: DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe

Storage Instruction: Store at 4°C in the dark.

Entrez GeneID: 898

Gene Symbol: CCNE1

Gene Alias: CCNE

Gene Summary: 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. [provided by RefSeq]

References:

1. CCNE1 amplification and centrosome number abnormality in serous tubal intraepithelial carcinoma: further evidence supporting its role as a precursor of ovarian high-grade serous carcinoma. Kuhn E, Wang TL, Doberstein K, Bahadirli-Talbott A, Ayhan A, Sehdev AS, Drapkin R, Kurman RJ, Shih IM. Mod Pathol. 2016 Jul 22. [Epub ahead of print]
2. Characterization of the 19q12 amplification including CCNE1 and URI in different epithelial ovarian cancer subtypes. Noske A, Henricksen LA, LaFleur B, Zimmermann AK, Tubbs A, Singh S, Storz M, Fink D, Moch H Exp Mol Pathol. 2014 Dec 16;98(1):47-54. doi: 10.1016/j.yexmp.2014.12.004.
3. Frequent CCNE1 amplification in endometrial intraepithelial carcinoma and uterine serous carcinoma. Kuhn E, Bahadirli-Talbott A, Shih IM Mod Pathol. 2013 Dec 6. doi: 10.1038/modpathol.2013.209.