

Cyclin E Antibody FITC Conjugated

Catalog No: #C00338F

Package Size: #C00338F 100ul

Description

Product Name	Cyclin E Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt IF
Species Reactivity	Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 370-411 411 derived from rat Cyclin E
Conjugates	FITC
Target Name	Cyclin E
Other Names	Ccne; CYCLE; G1 S-specific cyclin-E1; Ccne1
Accession No.	Swiss-Prot#P39949NCBI Gene ID25729
Cell Localization	Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=1:50-200 IF=1:50-200

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. Transcript Variant: This variant (1) contains a different 5' end region, which includes an upstream in-frame translation start codon, when compared to variant 2. The encoded protein has a 15 aa longer N-terminus, as compared to isoform 2.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.