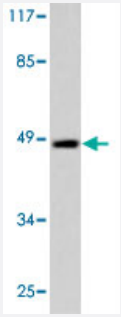
CCNE1 polyclonal antibody

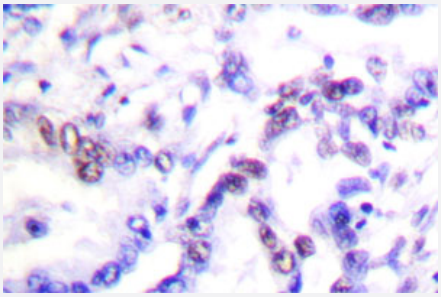
Catalog # PAB27048 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of CCNE1 polyclonal antibody (Cat # PAB27048) in extracts from K-562 cell.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of CCNE1 polyclonal antibody (Cat # PAB27048) in paraffin-embedded human lung carcinoma tissue.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CCNE1.
Immunogen	A synthetic peptide corresponding to human CCNE1.
Host	Rabbit
Theoretical MW (kDa)	49
Reactivity	Human, Mouse, Rat
Specificity	CCNE1 polyclonal antibody detects endogenous levels of CCNE1 protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of CCNE1 polyclonal antibody (Cat # PAB27048) in extracts from K-562 cell.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of CCNE1 polyclonal antibody (Cat # PAB27048) in paraffin-embedded human lung carcinoma tissue.

- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CCNE1

Entrez GeneID	898
Protein Accession#	P24864
Gene Name	CCNE1
Gene Alias	CCNE
Gene Description	cyclin E1
Omim ID	123837

Gene Ontology	Hyperlink
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 fu nction 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 co mplex 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 p rogress 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 foun d to associate with, and be involved in, the phosphorylation of NPAT protein (nuclear protein map ped to the ATM locus), which participates in cell-cycle regulated histone gene expression and pla ys a critical role in promoting cell-cycle progression in the absence of pRB. Two alternatively splic ed transcript variants of this gene, which encode distinct isoforms, have been described. Two add itional splice variants were reported but detailed nucleotide sequence information is not yet availa ble. [provided by RefSeq
Other Designations	cyclin Es|cyclin Et

Pathway

- Cell cycle
- p53 signaling pathway
- Pathways in cancer
- Prostate cancer
- Small cell lung cancer

Disease

- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Disease Progression
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Neoplasm Invasiveness

- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Urinary Bladder Neoplasms