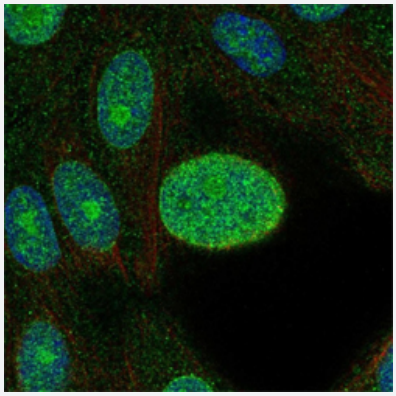
CDK4 polyclonal antibody

Catalog # PAB31092 Size 100 uL

Applications



Immunofluorescence

Immunofluorescent staining of MCF7 cell line with antibody shows positivity in nucleus, nucleoli, nuclear membrane and cytosol (green).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CDK4.
Immunogen	Recombinant protein corresponding to human CDK4.
Sequence	KPLFCGNSEADQLGKIFDLIGLPPEDDWPRDVSLPRGAFPPRGPRPVQSVVPEMEESGAQLLLE MLTFNPHKRISAFRALQHSYLHKDEGNPE
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% 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.

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- Immunofluorescence

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Gene Info — CDK4

Entrez GeneID	1019
Protein Accession#	P11802
Gene Name	CDK4
Gene Alias	CMM3, MGC14458, PSK-J3
Gene Description	cyclin-dependent kinase 4
Omim ID	123829 609048
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of S. cerevisiae cdc28 and S. pombe cdc2. It is a catalytic sub unit of the protein kinase complex that is important for cell cycle G1 phase progression. The activit y of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-typ e cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosph orylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related prote ins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenes is of a variety of cancers. Multiple polyadenylation sites of this gene have been reported. [provide d by RefSeq
Other Designations	cell division kinase 4|melanoma cutaneous malignant, 3

Pathway

- Bladder cancer

- Cell cycle
- Chronic myeloid leukemia
- Glioma
- Melanoma
- Non-small cell lung cancer
- p53 signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Small cell lung cancer
- T cell receptor signaling pathway
- Tight junction

Disease

- Adenocarcinoma
- Birth Weight
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glioblastoma
- Head and Neck Neoplasms

- Kidney Failure
- Leukemia
- Lung Neoplasms
- Lymphoma
- Malignant melanoma
- Melanoma
- Mouth Neoplasms
- Neoplasm Invasiveness
- Neoplasm Recurrence
- Neoplasms
- Obesity
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Precancerous Conditions
- Pulmonary Disease
- Retinoblastoma
- Skin Neoplasms
- Urinary Bladder Neoplasms
- Uveal Neoplasms
- Werner syndrome