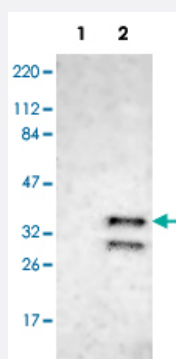


CDK6 polyclonal antibody

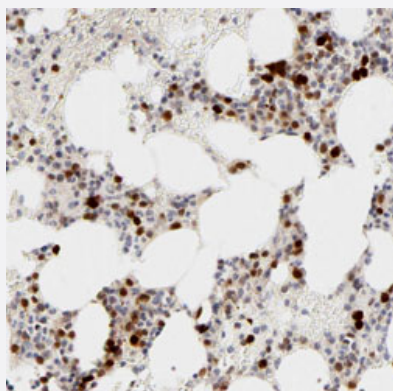
Catalog # PAB28592 Size 100 uL

Applications



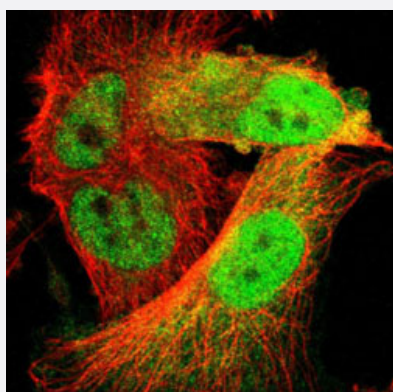
Western Blot (Cell lysate)

Western blot analysis of Lane 1: Human cell line RT-4; Lane 2: Human cell line U-251MG sp with CDK6 polyclonal antibody (Cat#PAB28592) at 1:100-1:250 dilution.



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

Immunohistochemical staining of human bone marrow with CDK6 polyclonal antibody (Cat#PAB28592) shows strong nuclear positivity in bone marrow poietic cells at 1:20-1:50 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line U-251MG with CDK6 polyclonal antibody (Cat#PAB28592) at 4 ug/ml shows positivity in nucleus but not nucleoli and cytoplasm.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant CDK6.
Immunogen	Recombinant protein corresponding to amino acids of human CDK6.
Sequence	FRGSSDVDQLGKILDVIGLPGEEDWPRDVALPRQAFHSKSAQPIEFVTDIDELGKDLLLLKCLTFN PAKRISAYSALSHPYFQDLERCKENLDShLPPSQNTSELN
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:100-1:250) Immunofluorescence (1-4 ug/ml) Immunohistochemistry (1:20-1:50) 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: Human cell line RT-4; Lane 2: Human cell line U-251MG sp with CDK6 polyclonal antibody (Cat#PAB28592) at 1:100-1:250 dilution.

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Gene Info — CDK6

Entrez GeneID [1021](#)**Protein Accession#** [Q00534](#)**Gene Name** CDK6**Gene Alias** MGC59692, PLSTIRE, STQTL11**Gene Description** cyclin-dependent kinase 6**Omim ID** [603368](#)**Gene Ontology** [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae* cdc28, and *Schizosaccharomyces pombe* cdc2, and are known to be important regulators of cell cycle progression. This kinase is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression and G1/S transition. The activity of this kinase first appears in mid-G1 phase, which is controlled by the regulatory subunits including D-type cyclins and members of INK4 family of CDK inhibitors. This kinase, as well as CDK4, has been shown to phosphorylate , and thus regulate the activity of, tumor suppressor protein Rb. [provided by RefSeq

Other Designations cell division protein kinase 6

Pathway

- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Glioma](#)
- [Melanoma](#)
- [Non-small cell lung cancer](#)
- [p53 signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Head and Neck Neoplasms](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Precancerous Conditions](#)
- [Recurrence](#)
- [Thyroid Neoplasms](#)

- [Urinary Bladder Neoplasms](#)
- [Wegener Granulomatosis](#)