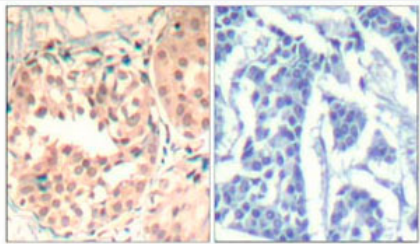


CDK6 (phospho Y13) polyclonal antibody

Catalog # PAB25914 Size 100 ug

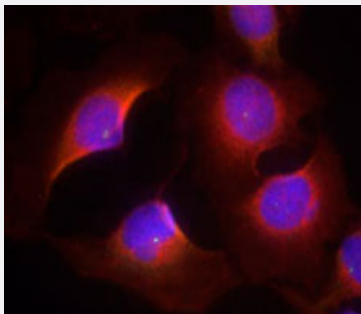
Applications



P-Peptide - +

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CDK6 (phospho Y13) polyclonal antibody (Cat # PAB25914).



Immunofluorescence

Immunofluorescence staining of methanol-fixed HeLa cells using CDK6 (phospho Y13) polyclonal antibody (Cat # PAB25914, red).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of CDK6.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y13 of human CDK6.
Sequence	Q-Q-Yp-E-C
Host	Rabbit
Theoretical MW (kDa)	36
Reactivity	Human, Mouse
Form	Liquid

Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunofluorescence (1:100-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CDK6 (phospho Y13) polyclonal antibody (Cat # PAB25914).

- Immunofluorescence

Immunofluorescence staining of methanol-fixed HeLa cells using CDK6 (phospho Y13) polyclonal antibody (Cat # PAB25914, red).

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](#)