

# CDK6 Rabbit pAb

Catalog No.: A1545

12 Publications

## Basic Information

### Observed MW

40kDa

### Calculated MW

37kDa

### Category

Primary antibody

### Applications

WB, IHC-P, IF/ICC, IP, ELISA

### Cross-Reactivity

Human, Mouse

## Background

The protein encoded by this gene is a member of the CMGC family of serine/threonine protein kinases. 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. Altered expression of this gene has been observed in multiple human cancers. A mutation in this gene resulting in reduced cell proliferation, and impaired cell motility and polarity, and has been identified in patients with primary microcephaly.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Immunogen Information

### Gene ID

1021

### Swiss Prot

Q00534

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 226-326 of human CDK6 (NP\_001250.1).

### Synonyms

MCPH12; PLSTIRE; CDK6

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

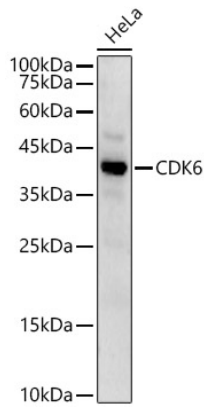
Affinity purification

### Storage

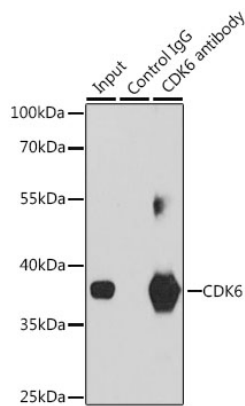
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

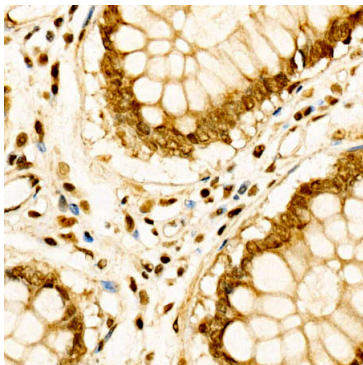
## Validation Data



Western blot analysis of lysates from HeLa cells, using CDK6 Rabbit pAb (A1545) at 1:900 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 30s.



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg CDK6 antibody (A1545).  
Western blot was performed from the immunoprecipitate using CDK6 antibody (A1545) at a dilution of 1:1000.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using CDK6 Rabbit pAb (A1545) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.