

CDK6 Rabbit pAb

Catalog No.: A16357 **1 Publications**

Basic Information

Observed MW

37kDa

Calculated MW

37kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

1021

Swiss Prot

Q00534

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-326 of human CDK6 (NP_001250.1).

Synonyms

MCPH12; PLSTIRE; CDK6

Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

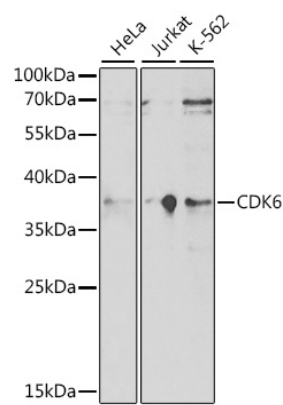
Affinity purification

Storage

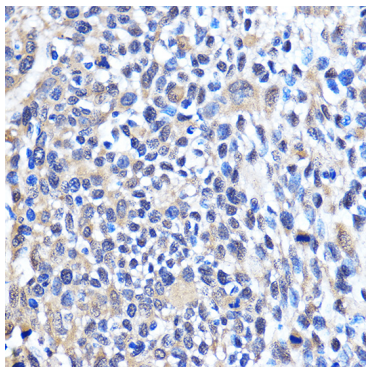
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

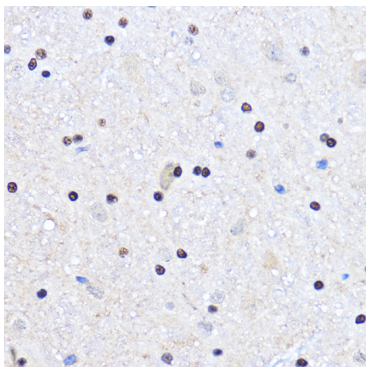
Validation Data



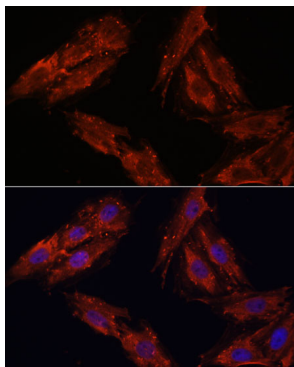
Western blot analysis of extracts of various cell lines, using CDK6 antibody (A16357) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.



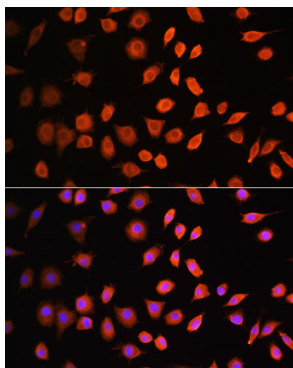
Immunohistochemistry analysis of paraffin-embedded Human esophageal using CDK6 Rabbit pAb (A16357) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



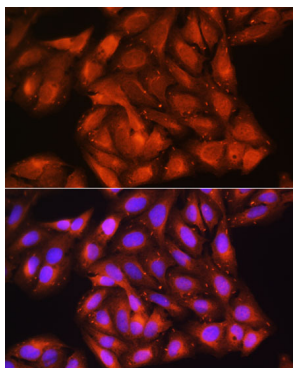
Immunohistochemistry analysis of paraffin-embedded Rat brain using CDK6 Rabbit pAb (A16357) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



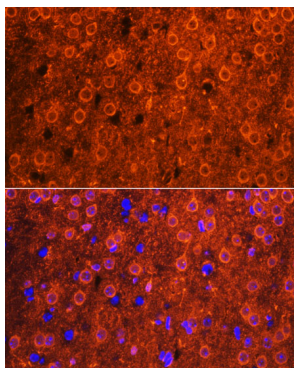
Immunofluorescence analysis of H9C2 cells using CDK6 antibody (A16357) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using CDK6 antibody (A16357) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using CDK6 antibody (A16357) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse brain using CDK6 antibody (A16357) at dilution of 1:100. Blue: DAPI for nuclear staining.