

CDK4 Rabbit Polyclonal Antibody



CAB0366

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

34kDa

Calculated MW:

20kDa/33kDa

Applications:

WB IHC IF IP

Reactivity:

Human, Mouse, Rat

Protein Background

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 subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported.

Immunogen information

Gene ID:

1019

Uniprot

P11802

Synonyms:

CDK4; CMM3; PSK-J3

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200 IP
1:50 - 1:200

Source:

Rabbit

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-303 of human CDK4 (NP_000066.1).

Isotype:

IgG

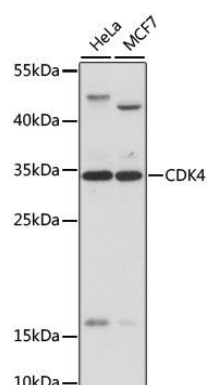
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

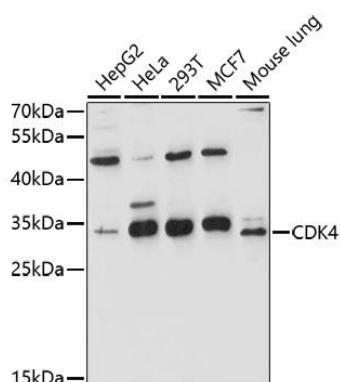
Purification:

Affinity purification

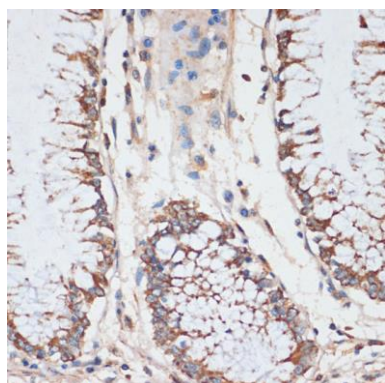
Product Images



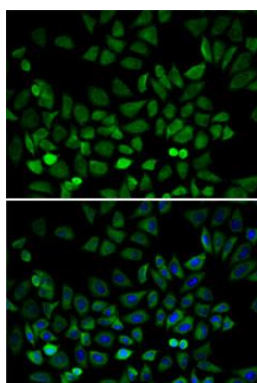
Western blot analysis of extracts of various cell lines, using CDK4 antibody (CAB0366) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Western blot analysis of extracts of various cell lines, using CDK4 antibody (CAB0366) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 3min.



Immunohistochemistry of paraffin-embedded human colon using CDK4 antibody (CAB0366) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of A-549 cells using CDK4 antibody (CAB0366). Blue: DAPI for nuclear staining.