

# [KO Validated] CDK4 Rabbit mAb

Catalog No.: A11136

KO Validated

Recombinant

13 Publications

## Basic Information

### Observed MW

34kDa

### Calculated MW

34kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse, Rat, Monkey

### CloneNo number

ARC51004

## 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.

## Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:100 - 1:500

## Immunogen Information

### Gene ID

1019

### Swiss Prot

P11802

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 204-303 of human CDK4 (NP\_000066.1).

### Synonyms

CMM3; PSK-J3; K4

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

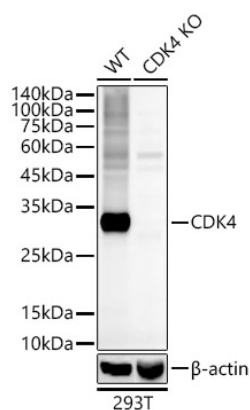
Affinity purification

### Storage

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

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and CDK4 Rabbit mAb knockout (KO) HeLa (KO) cells, using CDK4 Rabbit mAb (A11136) at 1:1000 dilution.

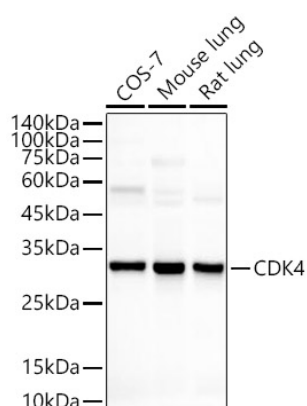
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Western blot analysis of various lysates, using CDK4 Rabbit mAb (A11136) at 1:1000 dilution.

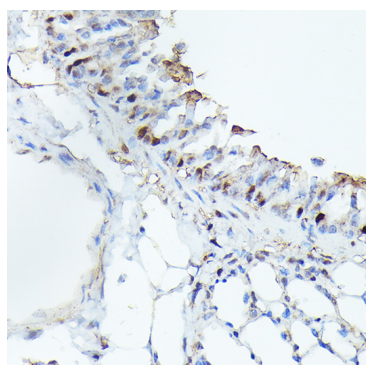
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

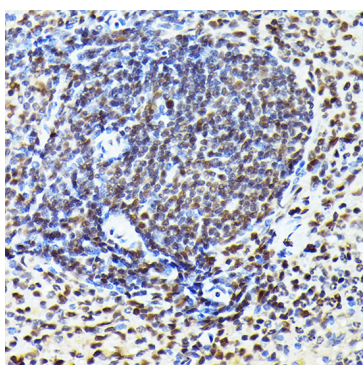
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

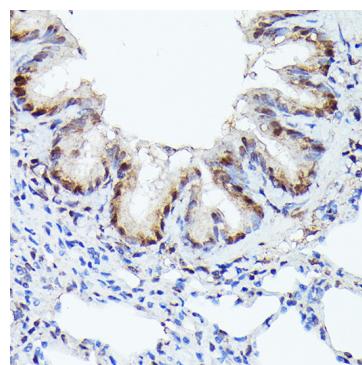
Exposure time: 10s.



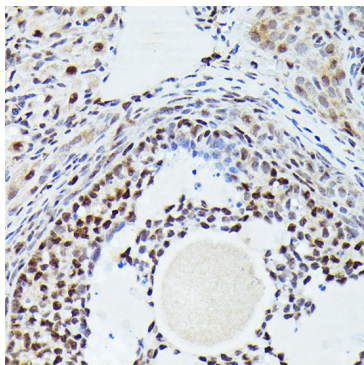
Immunohistochemistry analysis of CDK4 in paraffin-embedded mouse lung using CDK4 Rabbit mAb (A11136) at dilution of 1:100(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



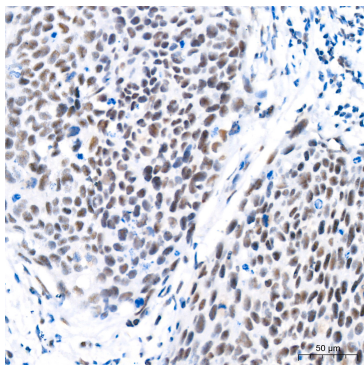
Immunohistochemistry analysis of CDK4 in paraffin-embedded mouse spleen using CDK4 Rabbit mAb (A11136) at dilution of 1:100(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



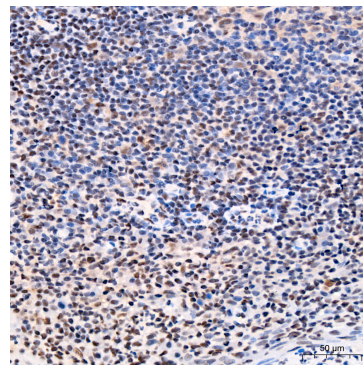
Immunohistochemistry analysis of CDK4 in paraffin-embedded rat lung using CDK4 Rabbit mAb (A11136) at dilution of 1:100(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



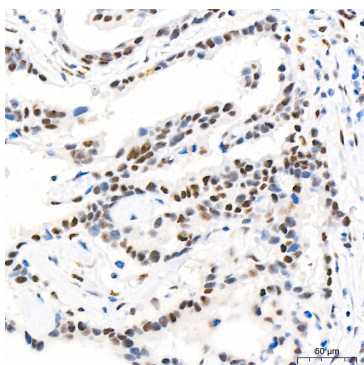
Immunohistochemistry analysis of CDK4 in paraffin-embedded rat ovary using CDK4 Rabbit mAb (A11136) at dilution of 1:100(40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



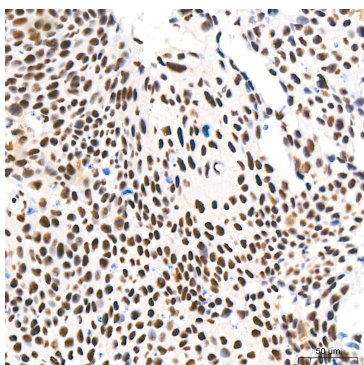
Immunohistochemistry analysis of CDK4 in paraffin-embedded human cervix cancer tissue using [KO Validated] CDK4 Rabbit mAb (A11136) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



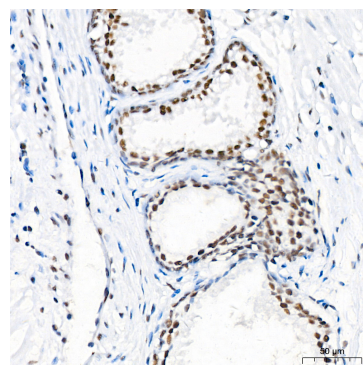
Immunohistochemistry analysis of CDK4 in paraffin-embedded human tonsil tissue using [KO Validated] CDK4 Rabbit mAb (A11136) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of CDK4 in paraffin-embedded human breast cancer tissue using [KO Validated] CDK4 Rabbit mAb (A11136) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of CDK4 in paraffin-embedded human cervix cancer tissue using [KO Validated] CDK4 Rabbit mAb (A11136) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of CDK4 in paraffin-embedded human prostate tissue using [KO Validated] CDK4 Rabbit mAb (A11136) at a dilution of 1:500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.