

[KO Validated] CDK2 Rabbit pAb

Catalog No.: A18000 **KO Validated** **6 Publications**

Basic Information

Observed MW

33kDa

Calculated MW

34kDa

Category

Primary antibody

Applications

ELISA,WB,IHC-P

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a member of a family of serine/threonine protein kinases that participate in cell cycle regulation. The encoded protein is the catalytic subunit of the cyclin-dependent protein kinase complex, which regulates progression through the cell cycle. Activity of this protein is especially critical during the G1 to S phase transition. This protein associates with and regulated by other subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A), and p27Kip1 (CDKN1B). Alternative splicing results in multiple transcript variants.

Recommended Dilutions

| | |
|--------------|----------------|
| WB | 1:500 - 1:2000 |
| IHC-P | 1:50 - 1:200 |

Immunogen Information

Gene ID

1017

Swiss Prot

P24941

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 200-298 of human CDK2 (NP_001789.2).

Synonyms

CDKN2; p33(CDK2); K2

Contact

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

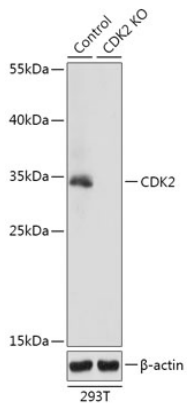
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from wild type (WT) and CDK2 knockout (KO) 293T cells, using [KO Validated] CDK2 Rabbit pAb (A18000) at 1:3000 dilution.

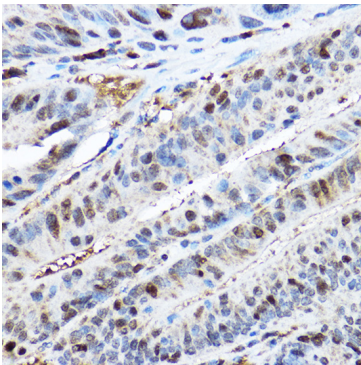
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KO Validated] CDK2 Rabbit pAb (A18000) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.