

## CDK2 Rabbit monoclonal antibody

Catalog: BS9875M

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Cdk2 is a member of the Ser/Thr protein kinase family. It is highly similar to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2. It is a catalytic subunit of the cyclin-dependent protein kinase complex, whose activity is restricted to the G1-S phase, and is essential for cell cycle G1/S phase transition. This protein associates with and is regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). Its activity is also regulated by protein phosphorylation. Two alternatively spliced variants and multiple transcription initiation sites of this gene have been reported.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 34 kDa

### Swiss-Prot:

P24941

### Purification&Purity:

Protein A affinity purified

### Applications:

WB: 1:1000-1:5000

ICC/IF: 1:50-1:200

IHC: 1:50-1:20

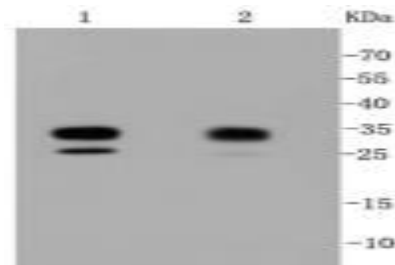
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

This antibody detects endogenous levels of CDK2 and does not cross-react with related proteins.

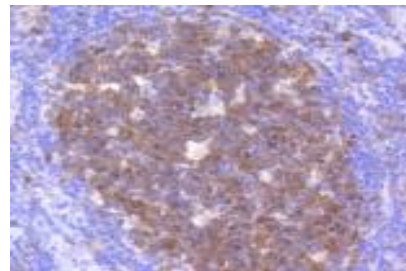
### DATA:



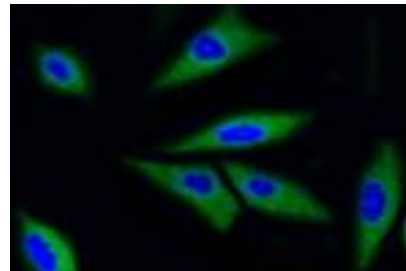
Western blot (WB) analysis of CDK2 Rabbit mAb at 1:1000 dilution

Lane1:A549 whole cell lysate

Lane2:F9 whole cell lysate



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Cdk2 antibody. Counter stained with hematoxylin



ICC staining Cdk2 in SH-SY-5Y cells (green). Cells were fixed in para-formaldehyde, permeabilised with 0.25% Triton \*100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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