

# CDK4 Polyclonal Antibody

Catalog Number:E-AB-52141



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

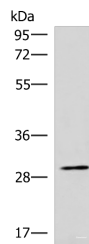
## Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Fusion protein of human CDK4
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4

## Applications Recommended Dilution

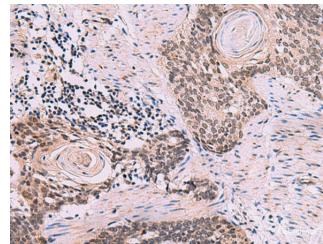
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:300
<b>ELISA</b>	1:5000-1:10000

## Data



Western blot analysis of Hela cell lysate using CDK4 Polyclonal Antibody at dilution of 1:1000

**Observed Mw:Refer to figures**  
**Calculated Mw:34 kDa**



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using CDK4 Polyclonal Antibody at dilution of 1:60(×200)

## Preparation & Storage

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

## 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.

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