

## CDK4 Polyclonal Antibody

catalog number: E-AB-70100

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

### Description

<b>Reactivity</b>	Human;Rat
<b>Immunogen</b>	KLH conjugated Synthetic peptide corresponding to Mouse CDK4
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

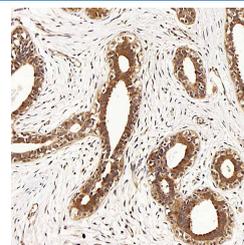
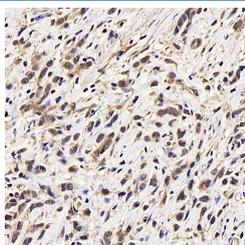
### Applications

IHC

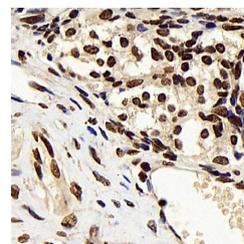
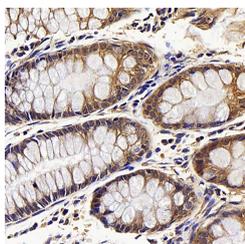
### Recommended Dilution

1:100

### Data



Immunohistochemistry analysis of paraffin-embedded human stomach cancer using CDK4 Polyclonal Antibody at dilution of 1:100. Immunohistochemistry analysis of paraffin-embedded human breast using CDK4 Polyclonal Antibody at dilution of 1:100.



Immunohistochemistry analysis of paraffin-embedded human colon using CDK4 Polyclonal Antibody at dilution of 1:100. Immunohistochemistry analysis of paraffin-embedded rat ovary using CDK4 Polyclonal Antibody at dilution of 1:100.



Immunohistochemistry analysis of paraffin-embedded rat testis using CDK4 Polyclonal Antibody at dilution of 1:100.

### Preparation & Storage

**Storage**

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

### For Research Use Only

**Shipping**

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

**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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