

## CDK7 Polyclonal Antibody

Catalog No. E-AB-60413

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

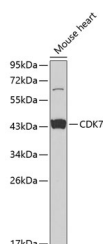
### Description

<b>Reactivity</b>	Human, Mouse
<b>Immunogen</b>	Recombinant fusion protein of human CDK7 (NP_001790.1).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Applications Recommended Dilution

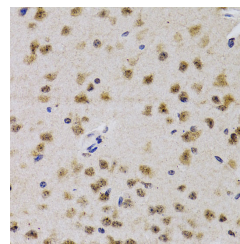
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:200
<b>IF</b>	1:50-1:200

### Data

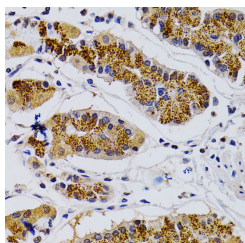


Western blot analysis of extracts of Mouse heart using CDK7 Polyclonal Antibody at dilution of 1:1000.

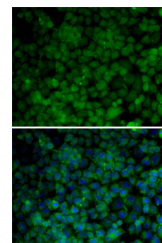
**Observed Mw:43kDa**  
**Calculated Mw:39kDa**



Immunohistochemistry of paraffin-embedded Mouse brain using CDK7 Polyclonal Antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded Human stomach using CDK7 Polyclonal Antibody at dilution of 1:200 (40x lens).



Immunofluorescence analysis of HeLa cells using CDK7 Polyclonal Antibody

### For Research Use Only

## Preparation & Storage

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

## Background

The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae* *cdc28*, and *Schizosaccharomyces pombe* *cdc2*, and are known to be important regulators of cell cycle progression. This protein forms a trimeric complex with cyclin H and MAT1, which functions as a Cdk-activating kinase (CAK). It is an essential component of the transcription factor TFIIH, that is involved in transcription initiation and DNA repair. This protein is thought to serve as a direct link between the regulation of transcription and the cell cycle.

---

## For Research Use Only