



## Rabbit anti Cdk9 Polyclonal Antibody

Alternative Name(s): cyclin-dependent kinase 9

### Order Information

- **Description:** Cdk9
- **Catalogue:** 602-390
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu

### **ANTIGEN PREPARATION**

A synthetic peptide corresponding to the C-terminus of mouse PLAC1 protein (from 145aa-175aa). This sequence is identical to human, rat and mouse

### **BACKGROUND**

CDK9 belongs to a member of the cyclin-dependent protein kinase (CDK) family. It is also known as an important cell cycle regulator. This kinase was found to be a component of the multiprotein complex TAK/P-TEFb, which is an elongation factor for RNA polymerase II-directed transcription and functions by phosphorylating the C-terminal domain of the largest subunit of RNA polymerase II. The CDK9 C-terminal tail sequence is important for the catalytic mechanism and imposes an ordered binding of substrates and release of products. It is regulated by the phosphorylation of CDK9 at Thr 29, Thr186.

### **PURIFICATION**

The Rabbit IgG is purified by Epitope Affinity Purification

### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes Cdk9 protein. It cross-reacts to human, rat and mouse. The other species are not tested.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

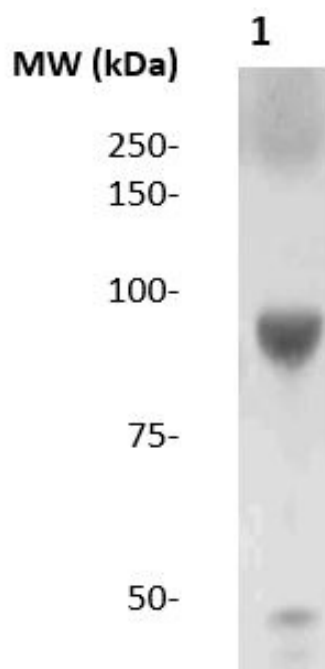
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 91.8
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

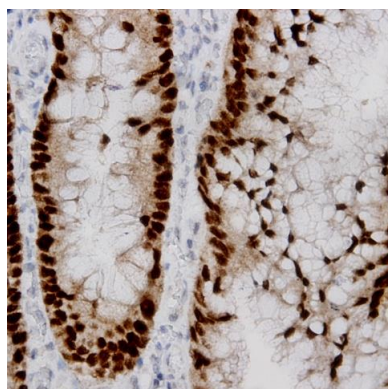
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## DATA ATTACHMENTS



Western Blot: The whole lysate derived from HT29 (20 ug/lane) immunoblotted by Rabbit anti-CDK9 (Cat# 602-390) at 1:500. Observed a major immunoreactive band at molecular weight ~92 kDa.



Immunohistochemistry: Human colon carcinoma (FFPE) stained with Rabbit anti-CDK9 (Cat# 602-390) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

## REFERENCES

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