

## CDK9

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:1000 - 1:3000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**43kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human CDK9

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

TAK; C-2k; CTK1; CDC2L4; PITALRE

**Catalog #:**A1564

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1025

**Isotype:**IgG

**Swiss Prot:**P50750

**Purity:**Affinity purification

For research use only.

**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 *S. cerevisiae* *cdc28*, and *S. pombe* *cdc2*, and known as important cell cycle regulators. 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. This protein forms a complex with and is regulated by its regulatory subunit cyclin T or cyclin K. HIV-1 Tat protein was found to interact with this protein and cyclin T, which suggested a possible involvement of this protein in AIDS.

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