

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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