

Product datasheet for **TA323196**

CDK9 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: 823 and Hela cells
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 19-315 amino acids of human cyclin-dependent kinase 9
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53 kDa
Gene Name:	cyclin-dependent kinase 9
Database Link:	NP_001252 Entrez Gene 107951 MouseEntrez Gene 362110 RatEntrez Gene 1025 Human P50750



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Background:

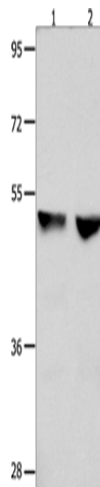
The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *S. cerevisiae* cdc28; and *S. pombe* cdc2; and known as important cell cycle regulators. This kinase was found to be a component of the multiprotein 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.

Synonyms:

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

Protein Families:

Druggable Genome, Protein Kinase, Transcription Factors

Product images:

Gel: 8%SDS-PAGE

Lysate: 40 µg

Lane 1-2: 823 cells

Hela cells

Primary antibody: TA323196 (CDK9 Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 40 seconds