

Datasheet for ABIN2463669
anti-CDK9 antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	CDK9
Reactivity:	Human, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human CDK9.
Purification:	Antibody is purified by protein A chromatography method.

Target Details

Target:	CDK9
Alternative Name:	CDK9 (CDK9 Products)
Background:	CDK9 is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>S. cerevisiae</i> cdc28, and <i>S. pombe</i> 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

Target Details

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. 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.

Molecular Weight:	43 kDa
Gene ID:	1025
NCBI Accession:	NP_001252
UniProt:	P50750
Pathways:	Cell Division Cycle

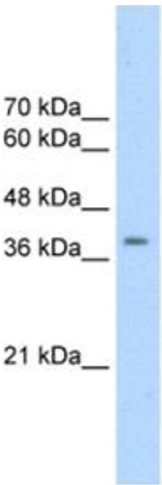
Application Details

Application Notes:	CDK9 antibody can be used for detection of CDK9 by ELISA at 1:312500. CDK9 antibody can be used for detection of CDK9 by western blot at 2.5 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.
Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store CDK9

antibody at -20 °C.



Western Blotting

Image 1.