

CDK9 Antibody

Catalog No: #31055

Package Size: #31055-1 50ul #31055-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	CDK9 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CDK9 protein.
Immunogen Type	Recombinant protein
Immunogen Description	Fusion protein corresponding to a region derived from 19-315 amino acids of human cyclin-dependent kinase 9
Target Name	CDK9
Other Names	cyclin-dependent kinase 9, TAK, C-2k, CTK1, CDC2L4, PITALRE
Accession No.	Swiss-Prot:P50750Gene ID:1025;
Uniprot	P50750
GeneID	1025;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

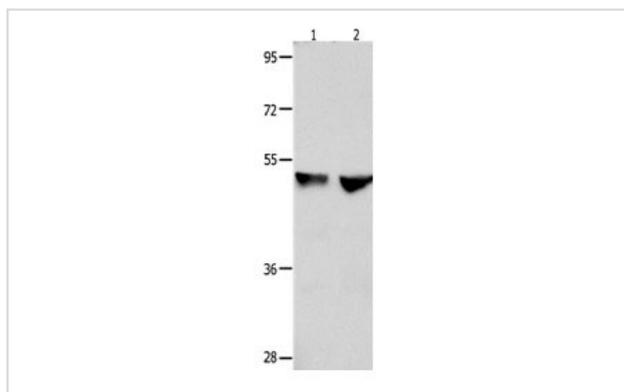
Application Details

Predicted MW: 53kd

ELISA: 1:2000-1:5000

Western blotting: 1:500-1:2000

Images



Gel: 8%SDS-PAGE

Lane1: 823 cell lysate

Lane2: Hela cell lysate

Lysates: 40 ug

Primary antibody: 1/300 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Exposure time: 40 seconds

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.

Note: This product is for in vitro research use only