

Cdk9 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0334
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human Cdk9 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Cell division protein kinase 9
Synonyms	CDK9; CDC2L4; TAK; Cyclin-dependent kinase 9; C-2K; Cell division cycle 2-like protein kinase 4; Cell division protein kinase 9; Serine; threonine-protein kinase PITALRE; Tat-associated kinase complex catalytic subunit

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

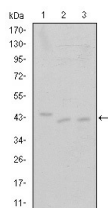
ELISA: 1:10000

IHC: 1:200 - 1:1000

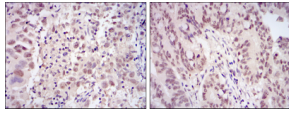
WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using Cdk9 Monoclonal antibody against Jurkat (1) A431 (2) and HEK293 (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded endometrial cancer tissues (left) and rectum cancer tissues (right) with DAB staining using Cdk9 Monoclonal antibody.

Storage

-20°C for one year

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