

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

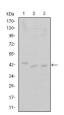
The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of S. cerevisiae cdc28, and S. pombe cdc2, and known as important cell cycle regulators. This kinase was found to be a component of the multiprotein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

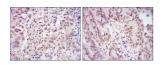
ELISA: 1:10000 IHC: 1:200 - 1:1000 WB: 1:500 - 1:2000

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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