BT LAB
Bioassay Technology Laboratory
Optimize Your Research

CDK9 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4067
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human CDK9 expressed in E. Coli.
Mol wt	43kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC
Concentration	N/A
Full name	N/A
Synonyms	TAK;C-2k;CTK1;CDC2L4;PITALRE

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. (provided by RefSeq)Tissue specificity: Ubiquitous.

Recommended Dilution

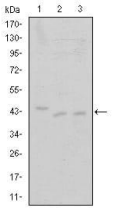
WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

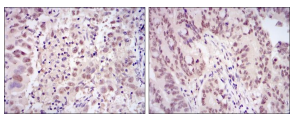
ELISA: 1:10000

Not yet tested in other applications.

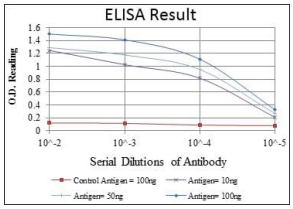
Images



Western blot analysis using CDK9 mouse mAb against Jurkat (1), A431 (2) and HEK293 (3) cell lysate.



Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues (left) and rectum cancer tissues (right) using CDK9 mouse mAb with DAB staining.



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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