

Cdk9(Phospho Thr186) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07563
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CDK9 around the phosphorylation site of Thr186. AA range:152-201
Mol wt	42778
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Cyclin-dependent kinase 9
Synonyms	Cyclin-dependent kinase 9; 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.

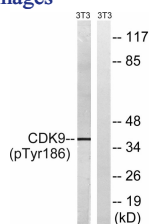
Recommended Dilution

WB: 1: 500 - 1: 2000

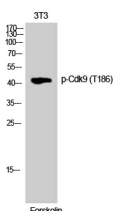
ELISA: 1: 5000

Not yet tested in other applications.

Images



Western Blot analysis of 3T3 cells using Phospho-Cdk9 (T186) Polyclonal Antibody



Western blot analysis of lysates from NIH/3T3 cells treated with Forskolin 40nM 30', using CDK9 (Phospho-Thr186) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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