

Phospho-CDK9-T186 Rabbit pAb

Catalog No.: AP0810 **1 Publications**

Basic Information

Observed MW

43KDa

Calculated MW

42kDa/53kDa

Category

Primary antibody

Applications

WB

Cross-Reactivity

Human, Mouse, Rat

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 Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

1025

Swiss Prot

P50750

Immunogen

A synthetic phosphorylated peptide around T186 of human CDK9 (NP_001252.1).

Synonyms

CDK9;C-2k;CDC2L4;CTK1;PITALRE;TAK

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

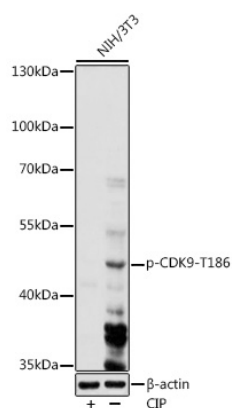
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thiomersal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of NIH/3T3, using Phospho-CDK9-T186 antibody (AP0810) at 1:1000 dilution. NIH/3T3 cells were treated by CIP (20uL/400uL) at 37°C for 1 hour.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.