

CDK9 Rabbit Polyclonal Antibody



CAB1564

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

40kDa

Calculated MW:

42kDa/53kDa

Applications:

WB IHC IF IP

Reactivity:

Human, Mouse

Antibody Information

Recommended dilutions:

WB 1:1000 - 1:3000 IHC
1:50 - 1:200 IF 1:50 - 1:200
IP 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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.

Immunogen information

Gene ID:

1025

Uniprot

P50750

Synonyms:

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

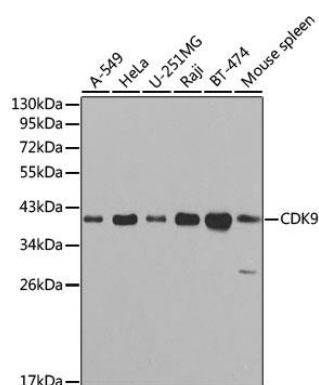
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 153-372 of human CDK9 (NP_001252.1).

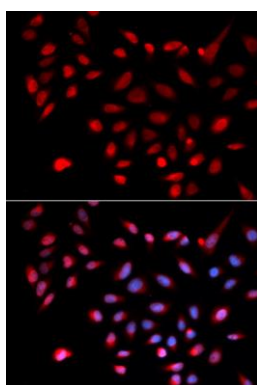
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

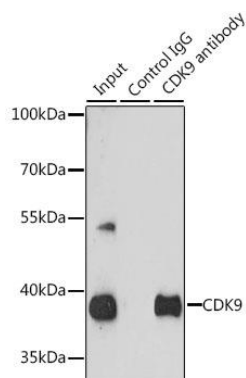
Product Images



Western blot analysis of extracts of various cell lines, using CDK9 antibody (CAB1564) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of U2OS cells using CDK9 antibody (CAB1564). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of HeLa cells, using 3 ug CDK9 antibody (CAB1564). Western blot was performed from the immunoprecipitate using CDK9 antibody (CAB1564) at a dilution of 1:1000.