

Datasheet for ABIN6138331
anti-CDK9 antibody (AA 153-372)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	CDK9
Binding Specificity:	AA 153-372
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 153-372 of human CDK9 (NP_001252.1).
Sequence:	ANVLITRDGV LKLADFGGLAR AFSLAKNSQP NRYTNRVVTL WYRPPPELLLG ERDYGPPIDL WGAGCIMAEM WTRSPIMQGN TEQHQLALIS QLCGSITPEV WPNVDNYELY EKLELVKGQK RKVKDRKAY VRDPYALDLI DKLLVLDPAQ RIDSDDALNH DFFWSDPMPS DLKGMLSTHL TSMFEYLAPP RRGKSQITQQ STNQSRNPAT TNQTEFERVF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target: CDK9

Alternative Name: CDK9 ([CDK9 Products](#))

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.,CDK9,C-2k,CDC2L4,CTK1,PITALRE,TAK,Epigenetics & Nuclear Signaling,Signal Transduction,Kinase,Serine/threonine kinases,Cell Biology & Developmental Biology,Cell Cycle,Immunology & Inflammation,CDK9

Molecular Weight: 42 kDa/53 kDa

Gene ID: 1025

UniProt: [P50750](#)

Pathways: [Cell Division Cycle](#)

Application Details

Application Notes: WB,1:500 - 1:1000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

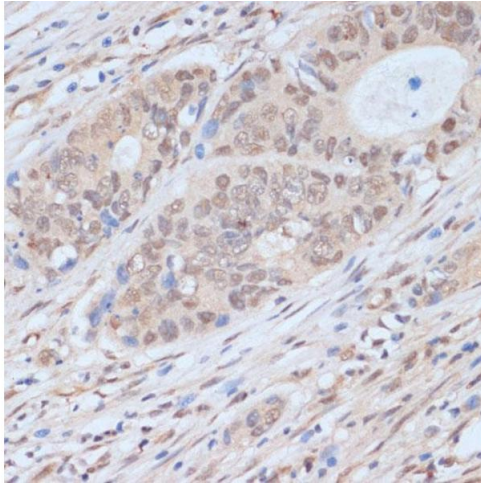
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

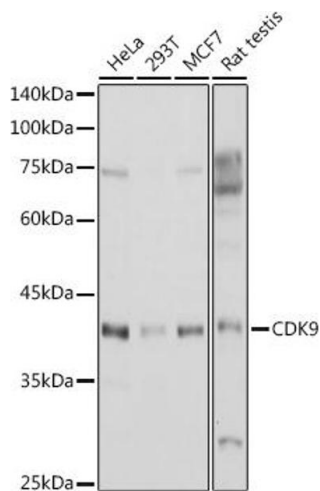
Storage: -20 °C

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



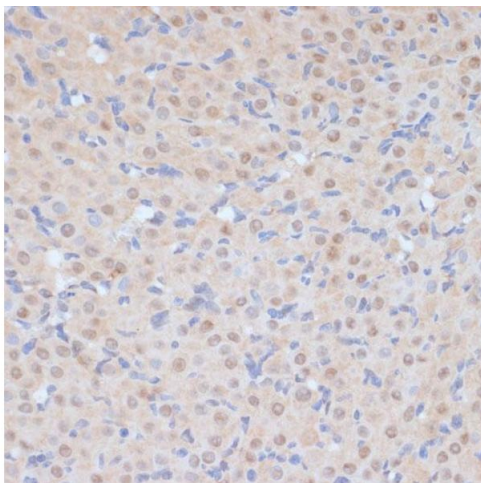
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon carcinoma using CDK9 antibody (ABIN6129241, ABIN6138331, ABIN6138332 and ABIN6214015) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using CDK9 antibody (ABIN6129241, ABIN6138331, ABIN6138332 and ABIN6214015) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat ovary using CDK9 antibody (ABIN6129241, ABIN6138331, ABIN6138332 and ABIN6214015) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6138331.