

Datasheet for ABIN3015519
anti-CDK9 antibody (AA 153-372)

5 Images

[Go to Product page](#)

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), Immunoprecipitation (IP), 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 LKLADFGLAR AFSLAKNSQP NRYTNRVVT L WYRPPPELLLG ERDYGPPIDL WGAGCIMAEM WTRSPIMQGN TEQHQLALIS QLCGSITPEV WPNVDNYELY EKLELVKGQK RKVKDRLKAY VRDPYALDLI DKLLVLDPAQ RIDSDDALNH DFFWSDPMPS DLKGMLSTHL TSMFEYLAPP RRKGSQITQQ STNQSRNPAT TNQTEFERVF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

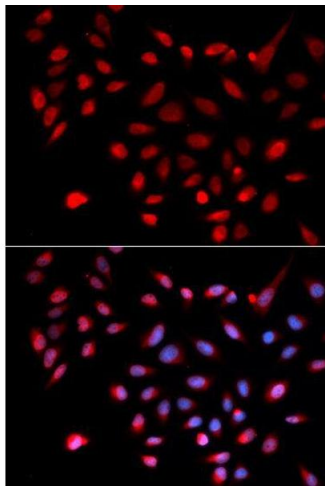
Target:	CDK9
Alternative Name:	CDK9 (CDK9 Products)
Background:	<p>The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>S. cerevisiae</i> cdc28, and <i>S. pombe</i> cdc2, and known as important 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</p>
Molecular Weight:	42 kDa/53 kDa
Gene ID:	1025
UniProt:	P50750
Pathways:	Cell Division Cycle

Application Details

Application Notes:	WB,1:1000 - 1:3000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:100
Restrictions:	For Research Use only

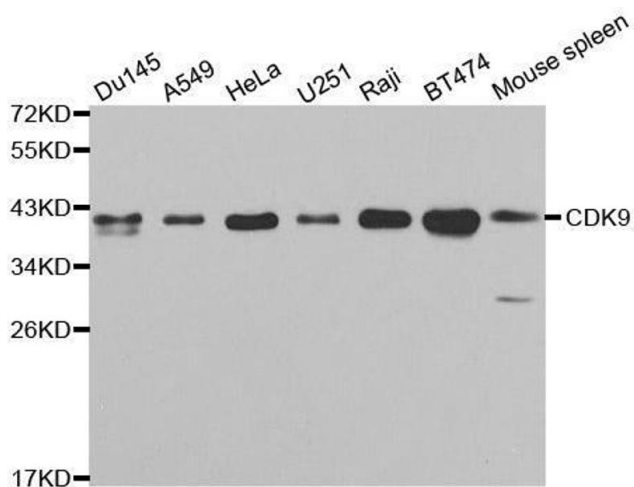
Handling

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.



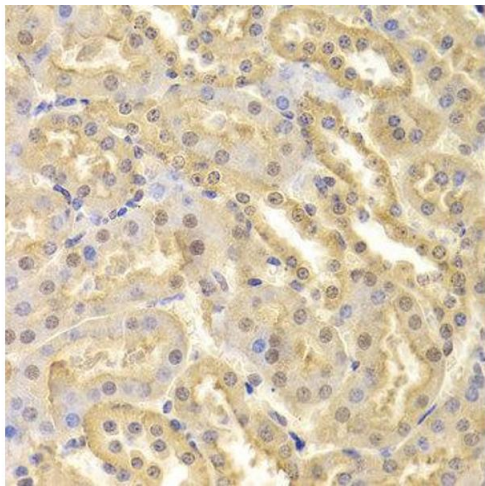
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cell using CDK9 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using CDK9 antibody.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded Mouse kidney using CDK9 antibody at dilution of 1:100 (x400 lens).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3015519.