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# Datasheet for ABIN3042745 anti-CDK9 antibody (AA 141-372)

3 Images



### Overview

Quantity:	100 µg
Target:	CDK9
Binding Specificity:	AA 141-372
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Cyclin-dependent kinase 9(CDK9) detection. Tested with WB, IHC-P in Human,Rat.
Immunogen:	E.coli-derived human Cdk9 recombinant protein (Position: H141-F372). Human Cdk9 shares 99.1% amino acid (aa) sequence identity with both mouse and rat Cdk9.
lsotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Cyclin-dependent kinase 9(CDK9) detection. Tested with WB, IHC-P in Human,Rat. Gene Name: cyclin-dependent kinase 9 Protein Name: Cyclin-dependent kinase 9
Purification:	Immunogen affinity purified.

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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.
	Synonyms: C 2k antibody C-2K antibody CDC2 related kinase antibody CDC2L4 antibody Cdk 9 antibody  Cdk9 antibody CDK9_HUMAN antibody Cell division cycle 2 like protein kinase 4 antibody Cell division cycle 2-like protein kinase 4 antibody Cell division protein kinase 9 antibody  CTK1 antibody Cyclin dependent kinase 9 antibody Cyclin-dependent kinase 9 antibody PITALRE antibody Serine threonine protein kinase PITALRE antibody Serine/threonine- protein kinase PITALRE antibody TAK antibody Tat associated kinase complex catalytic subunit antibody
Gene ID:	1025
UniProt:	P50750
Pathways:	Cell Division Cycle
Application Details	

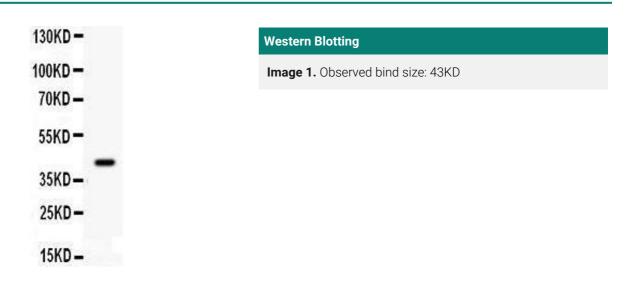
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
	IHC-P: Concentration: 0.5-1 $\mu$ g/mL, Tested Species: Human, Rat, Epitope Retrieval by Heat:
	Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the
	staining of formalin/paraffin sections.
	Notes: Tested Species: Species with positive results. Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by
	ABIN921231 in IHC(P).
Restrictions:	For Research Use only

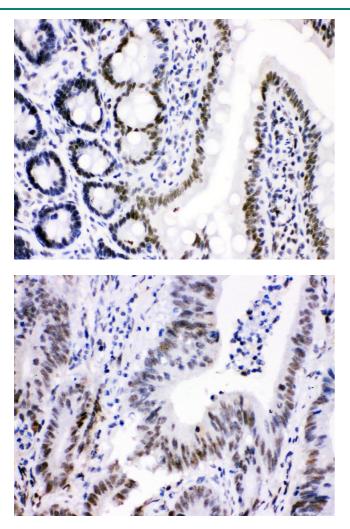
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## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images





### Immunohistochemistry

Image 2. Anti- Cdk9 Picoband antibody, IHC(P) IHC(P): Rat

Intestine Tissue

## Immunohistochemistry

**Image 3.** Anti- Cdk9 Picoband antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue

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