

anti-Human, Rat Cdk9 Polyclonal Antibody | anti-CDK9 antibody

Anti-Cdk9 Antibody

CATALOG # AAA46358	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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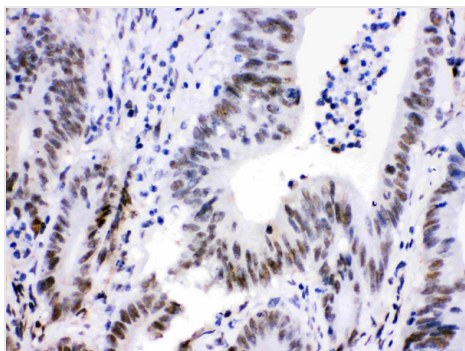
PRODUCT SYNONYMS

Cdk9; Polyclonal Antibody; Anti-Cdk9 Antibody; Cyclin-dependent kinase 9; C 2k; C-2K; CDC2 related kinase; CDC2L4; Cdk 9; CDK9_HUMAN; Cell division cycle 2 like protein kinase 4; Cell division cycle 2-like protein kinase 4; Cell division protein kinase 9; CTK1; Cyclin dependent kinase 9; PITALRE; Serine threonine protein kinase PITALRE; Serine/threonine-protein kinase PITALRE; TAK; Tat associated kinase complex catalytic subunit; cyclin-dependent kinase 9; anti-CDK9 antibody

PRODUCT SPECIFICATIONS

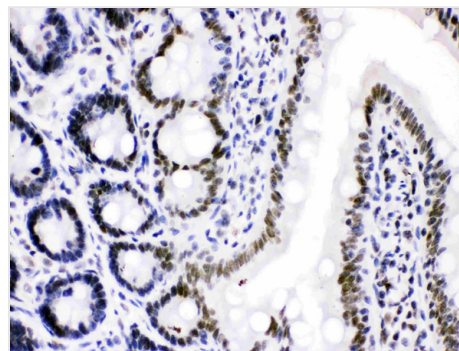
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	372
Applicable Applications for anti-CDK9 antibody	IHC (Immunohistochemistry), WB (Western Blot)
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.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



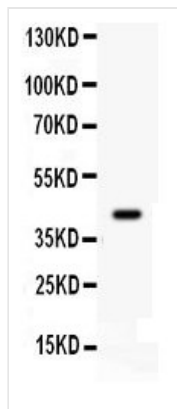
IHC (Immunohistochemistry)

Anti- Cdk9 Picoband antibody, AAA46358, IHC(P)IHC(P): Human Intestinal Cancer Tissue



IHC (Immunohistochemistry)

Anti- Cdk9 Picoband antibody, AAA46358, IHC(P)IHC(P): Rat Intestine Tissue



WB (Western Blot)

Anti- Cdk9 Picoband antibody, AAA46358, Western blottingAll lanes: Anti Cdk9 (AAA46358) at 0.5ug/mlWB: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 43KDObserved bind size: 43KD

ADDITIONAL INFORMATION

Related Product Information for anti-CDK9 antibody	Description: Rabbit IgG polyclonal antibody for Cyclin-dependent kinase 9(CDK9) detection. Tested with WB, IHC-P in Human;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 <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.
References	1. "Entrez Gene: CDK9 cyclin-dependent kinase 9 (CDC2-related kinase)". 2. MacLachlan TK, Sang N, De Luca A, Puri PL, Levrero M, Giordano A (1998). "Binding of CDK9 to TRAF2". <i>J. Cell. Biochem.</i> 71 (4): 467-78.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502747
NCBI GeneID	1025
NCBI Accession #	NP_001252.1
NCBI GenBank Nucleotide #	NM_001261.3
UniProt Accession #	P50750; Q5JU24; Q5JU25; Q5U006; Q96TF1
Molecular Weight	53,365 Da
NCBI Official Full Name	cyclin-dependent kinase 9
NCBI Official Synonym Full Names	cyclin-dependent kinase 9
NCBI Official Symbol	CDK9
NCBI Official Synonym Symbols	TAK; C-2k; CTK1; CDC2L4; PITALRE
NCBI Protein Information	cyclin-dependent kinase 9
UniProt Protein Name	Cyclin-dependent kinase 9
UniProt Gene Name	CDK9
UniProt Synonym Gene Names	CDC2L4; TAK
UniProt Entry Name	CDK9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdk9-antibody-immunohistochemistry-western-blot-elisa/46358>