

Rabbit CDK9 Polyclonal Antibody | anti-CDK9 antibody

CDK9 antibody - N-terminal region

CATALOG # AAA201672	HOST Rabbit	REACTIVITY Cow, Dog, Human, Mouse, Pig, Rat, Zebrafish	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

CDK9; Polyclonal Antibody; CDK9 antibody - N-terminal region; anti-CDK9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Human, Mouse, Pig, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MA KQYDSVECPF CDEVSKYEKL AKIGQGTFGE VFKARHRKTG QKVALKKV
Sequence Length	372
Applicable Applications for anti-CDK9 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 92%; Dog: 100%; Human: 100%; Mouse: 92%; Pig: 92%; Rat: 92%; Zebrafish: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CDK9
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-CDK9 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: Transfected 293T


IHC (Immunohistochemistry)

Uterus



IHC (Immunohistochemistry)

Rabbit Anti-CDK9 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Ovary
Tissue
Observed Staining: Cytoplasmic
Primary Antibody Concentration: 1:1000
Other Working Concentrations: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-CDK9 antibody	This is a rabbit polyclonal antibody against CDK9. It was validated on Western Blot using a cell lysate as a positive control. Target Description: CDK9 is the member of the cyclin-dependent kinase pair (CDK9/cyclin-T) complex, also called positive transcription elongation factor b (P-TEFb), which facilitates the transition from abortive to production elongation by phosphorylating the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAP II), SUPT5H and RDBP. The CDK9/cyclin-K complex has also a kinase activity toward CTD of RNAP II and can substitute for P-TEFb in vitro. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-CDK9 antibody	Polyclonal ; Cell Cycle Proteins ; Transcription Regulation ; Meiosis/Mitosis/Cell Cycle ; Immunohistochemistry ; DNA Repair ; Phosphorylation ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502747
NCBI GeneID	1025
NCBI Accession #	NP_001252
NCBI GenBank Nucleotide #	NM_001261
UniProt Accession #	P50750
Molecular Weight	43kDa
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-western-blot-immunohistochemistry-elisa/201672>