

Rabbit anti-Human, Mouse CDK8 Polyclonal Antibody | anti-CDK8 antibody

CDK8 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60031	Rabbit	Human, Mouse	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

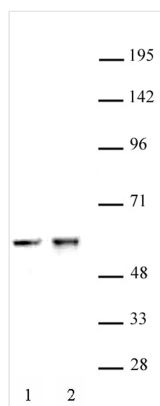
PRODUCT SYNONYMS

CDK8; Polyclonal Antibody; CDK8 antibody (pAb); K35; anti-CDK8 antibody

PRODUCT SPECIFICATIONS

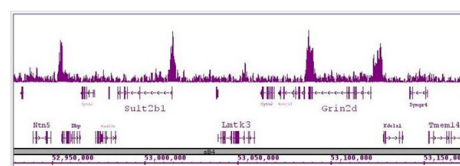
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	0.566ug/ul (varies by lot)
Applicable Applications for anti-CDK8 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation)
Immunogen	This antibody was raised against a peptide within the C-terminal region of human CDK8.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

CDK8 antibody (pAb) tested by Western blot. Detection of CDK8 by Western blot analysis. Lane 1: Nuclear extract of Caco-2 cells (20 ug). Lane 2: Nuclear extract of SW-48 cells (20 ug). Both were probed with CDK8 antibody (pAb) at a 1:1,000 dilution.



ChIP (Chromatin Immunoprecipitation)

CDK8 antibody (pAb) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with 30 ug of chromatin from Mouse embryonic fibroblasts and 7 ul of antibody. ChIP DNA was sequenced on the Illumina HiSeq and 20 million sequence tags were mapped to identify CDK8 binding sites. The image shows binding across a region of chromosome 7. You can view the complete data set in the UCSC Genome Browser, starting at this specific location, [here](#).

ADDITIONAL INFORMATION

Related Product Information for anti-CDK8 antibody	Short Description: Our CDK8 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq and Western blot; it has been shown to react with Human and Mouse samples. Background: CDK8 (Cyclin-Dependent Kinase 8) is a component of the Mediator complex, a coactivator involved in regulated gene transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. CDK8 phosphorylates the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAP II), which may inhibit the formation of a transcription initiation complex. Other studies have indicated a role in transcriptional activation in response to hypoxia.
Product Categories/Family for anti-CDK8 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502745
NCBI GeneID	1024
NCBI Accession #	NP_001251; AB_2793654
NCBI GenBank Nucleotide #	NM_001260.1
UniProt Accession #	P49336; Q5VUF3; Q6ISB5
Molecular Weight	53,156 Da
NCBI Official Full Name	cyclin-dependent kinase 8
NCBI Official Synonym Full Names	cyclin-dependent kinase 8
NCBI Official Symbol	CDK8
NCBI Official Synonym Symbols	K35
NCBI Protein Information	cyclin-dependent kinase 8
UniProt Protein Name	Cyclin-dependent kinase 8
UniProt Gene Name	CDK8
UniProt Entry Name	CDK8_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/cdk8-antibody-western-blot-chromatin-immunoprecipitation-chromatin-immunoprecipitation-elisa/60031>