

Rabbit CDK8 Polyclonal Antibody | anti-CDK8 antibody

CDK8 Antibody (Center)

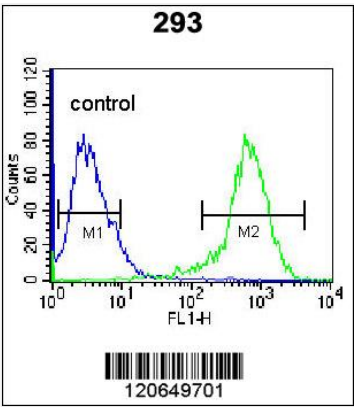
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288231	Rabbit	Human (Predicted Reactivity: Zebrafish, Mouse, Xenopus)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

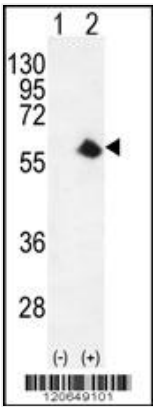
CDK8; Polyclonal Antibody; CDK8 Antibody (Center); Cyclin-dependent kinase 8; Cell division protein kinase 8; Mediator complex subunit CDK8; Mediator of RNA polymerase II transcription subunit CDK8; Protein kinase K35; anti-CDK8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Zebrafish, Mouse, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CDK8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 249-277 amino acids from the Central region of human CDK8.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	249-277
Sequence Length	464
Applicable Applications for anti-CDK8 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CDK8 Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of CDK8 (arrow) using rabbit polyclonal CDK8 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CDK8 gene.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK8 antibody	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>Saccharomyces cerevisiae</i> <i>cdc28</i> , and <i>Schizosaccharomyces pombe</i> <i>cdc2</i> , and are known to be important regulators of cell cycle progression. This kinase and its regulatory subunit cyclin C are components of the RNA polymerase II holoenzyme complex, which phosphorylates the carboxy-terminal domain (CTD) of the largest subunit of RNA polymerase II. This kinase has also been shown to regulate transcription by targeting the CDK7/cyclin H subunits of the general transcription initiation factor IIH (TFIIH), thus providing a link between the 'Mediator-like' protein complexes and the basal transcription machinery.
Product Categories/Family for anti-CDK8 antibody	Cell Biology
References	Seo, J.O., et al. <i>Oncol. Rep.</i> 24(1):285-291(2010) Tsutsui, T., et al. <i>Seikagaku</i> 82(3):191-199(2010) Chattopadhyay, I., et al. <i>Mutat. Res.</i> 696(2):130-138(2010) Donner, A.J., et al. <i>Nat. Struct. Mol. Biol.</i> 17(2):194-201(2010) Alarcon, C., et al. <i>Cell</i> 139(4):757-769(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502745
NCBI GeneID	1024
NCBI Accession #	NP_001251.1
NCBI GenBank Nucleotide #	NM_001260.1
UniProt Accession #	P49336; Q5VUF3; Q6ISB5
Molecular Weight	53284
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-flow-cytometry-western-blot-elisa/288231>