

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

CDK8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323889	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

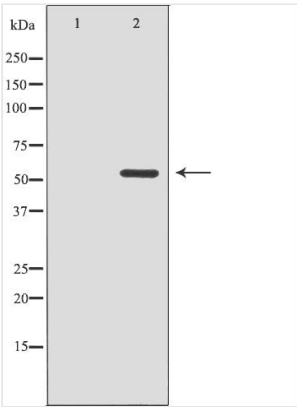
PRODUCT SYNONYMS

CDK8; Polyclonal Antibody; CDK8 Antibody; cdk8; CDK8 protein kinase; CDK8_HUMAN; Cell Division Kinase 8; Cell division protein kinase 8; Cyclin Dependent kinase 8; Cyclin-dependent kinase 8; K35; Mediator complex subunit cdk8; Mediator of RNA polymerase II transcription subunit cdk8; Protein kinase K35; anti-CDK8 antibody

PRODUCT SPECIFICATIONS

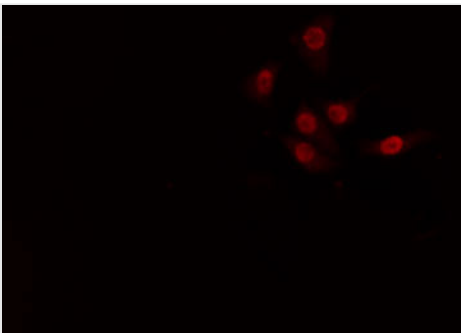
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CDK8 antibody detects endogenous levels of total CDK8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	464
Applicable Applications for anti-CDK8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Zebrafish, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from 293 cells, using CDK8 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA323889 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK8 antibody

Function: 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. 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. Phosphorylates CCNH leading to down-regulation of the TFIIF complex and transcriptional repression. Recruited through interaction with MAML1 to hyperphosphorylate the intracellular domain of NOTCH, leading to its degradation.

Subunit Structure: Component of the Mediator complex, which is composed of MED1, MED4, MED6, MED7, MED8, MED9, MED10, MED11, MED12, MED13, MED13L, MED14, MED15, MED16, MED17, MED18, MED19, MED20, MED21, MED22, MED23, MED24, MED25, MED26, MED27, MED29, MED30, MED31, CCNC, CDK8 and CDC2L6/CDK11. The MED12, MED13, CCNC and CDK8 subunits form a distinct module termed the CDK8 module. Mediator containing the CDK8 module is less active than Mediator lacking this module in supporting transcriptional activation. Individual preparations of the Mediator complex lacking one or more distinct subunits have been variously termed ARC, CRSP, DRIP, PC2, SMCC and TRAP. The cyclin/CDK pair formed by CCNC/CDK8 also associates with the large subunit of RNA polymerase II. Interacts with CTNNB1, GLI3 and MAML1.

Similarity: Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502745
NCBI GeneID	1024
NCBI Accession #	NP_001251.1
NCBI GenBank Nucleotide #	NM_001260.2
UniProt Accession #	P49336; Q5VUF3; Q6ISB5
Molecular Weight	Observed: 53 kD Predicted: 54 kDa
NCBI Official Full Name	cyclin-dependent kinase 8 isoform 1
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

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-immunocytochemistry-immunofluorescence-western-blot-elisa/323889>