

CDK8 Antibody

Rabbit mAb Catalog # AP90820

Specification

CDK8 Antibody - Product Information

ApplicationWB, IPPrimary AccessionP49336ReactivityRatClonalityMonoclonalOther NamesOther NamesCDK8 protein kinase; Cell division protein kinase 8; Cyclin Dependent kinase 8; K35; Mediator of RNA polymerase II transcription subunit cdk8; Protein kinase K35;

lsotype	Rabbit IgG
Host	Rabbit
Calculated MW	53284 Da

CDK8 Antibody - Additional Information

Dilution	WB~~1:1000
Purification Immunogen	Affinity-chromatography A synthesized peptide derived from human CDK8
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

CDK8 Antibody - Protein Information

Name CDK8

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 pre-initiation 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 TFIIH complex and transcriptional repression. Recruited through interaction with MAML1 to hyperphosphorylate the intracellular domain of NOTCH, leading to its degradation.

Cellular Location Nucleus.

CDK8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

CDK8 Antibody - Images



Western blot analysis of CDK8 expression in (1) HeLa cell lysate; (2) 3T3 cell lysate.