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CDK8 Antibody

Rabbit mAb
Catalog # AP90820

Product Information

Application	WB, IP
Primary Accession	P49336
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CDK8 protein kinase; Cell division protein kinase 8; Cyclin Dependent kinase 8; K35; Mediator complex subunit cdk8; Mediator of RNA polymerase II transcription subunit cdk8; Protein kinase K35;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	53284

Additional Information

Dilution	WB 1:500~1:1000 IP 1:50
Purification	Affinity-chromatography
Immunogen	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.

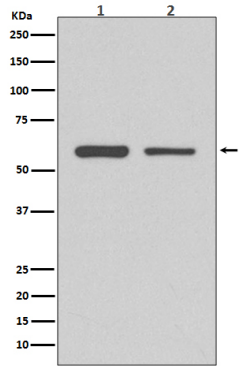
Protein Information

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 (PubMed:10993082). Recruited through interaction with MAML1 to hyperphosphorylate the intracellular domain of NOTCH, leading to its degradation (PubMed:15546612). Selectively regulates the

interferon response by phosphorylating the transcription factor STAT1 transactivation domain (By similarity).

Cellular Location Nucleus.

Images



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

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