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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

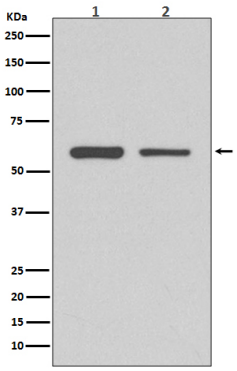
Dilution	WB 1:500~1:1000 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CDK8
Description	Component of the Mediator complex, a coactivator involved in regulated gene transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a 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. Recruited through interaction with MAML1 to hyperphosphorylate the intracellular domain of NOTCH, leading to its degradation.

Cellular Location Nucleus.

Images



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