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Mouse Cdk8 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5510

Specification

Mouse Cdk8 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q8R3L8
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**M=53, 23;H=53 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

Mouse Cdk8 Antibody (C-term) - Additional Information

Gene ID 264064

Antigen Region
380-413

Other Names
Cyclin-dependent kinase 8, Cell division protein kinase 8, Mediator complex subunit CDK8, Mediator of RNA polymerase II transcription subunit CDK8, Cdk8

Dilution
WB~~1:1000

Target/Specificity
This Mouse Cdk8 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 380-413 amino acids from the C-terminal region of Mouse Cdk8.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Mouse Cdk8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Cdk8 Antibody (C-term) - 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 (By similarity).

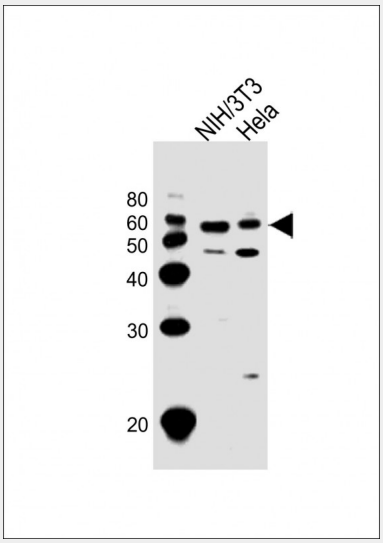
Cellular Location
Nucleus.

Mouse Cdk8 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Cdk8 Antibody (C-term) - Images



All lanes : Anti-Mouse Cdk8 Antibody (C-term) at 1:1000 dilution Lane 1: NIH/3T3 lysates Lane 2: Hela whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Mouse Cdk8 Antibody (C-term) - Background

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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 TFIIH complex and transcriptional repression. Recruited through interaction with MAML1 to hyperphosphorylate the intracellular domain of NOTCH, leading to its degradation (By similarity).

Mouse Cdk8 Antibody (C-term) - References

Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Carninci P.,et al.Science 309:1559-1563(2005).