

**Mouse Cdk8 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5510****Specification**

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**Mouse Cdk8 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8R3L8</a>
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 TFIID complex and transcriptional repression. Recruited through interaction with MAML1 to hyperphosphorylate the intracellular domain of NOTCH, leading to its degradation (By similarity).

#### Cellular Location

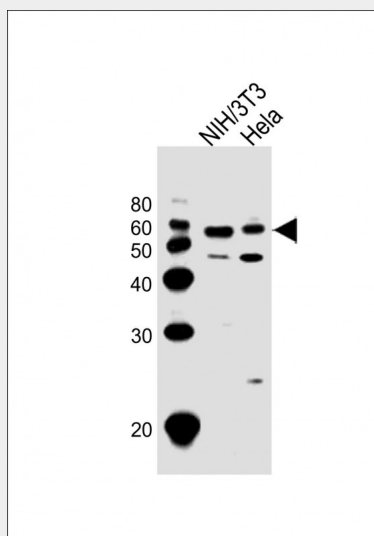
Nucleus.

#### 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 Cytometry](#)
- [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% NFD/MTBST.

#### 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).