

# Anti-Cdk8 antibody ab106320

## 2 图像

### 概述

产品名称	Anti-Cdk8抗体
描述	兔多克隆抗体to Cdk8
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Horse, Dog, Macaque monkey, Gorilla, Chinese hamster 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human Cdk8.参阅 Abcam的专有抗源政策
阳性对照	This antibody gave a positive signal in the following whole cell lysates: HeLa; HEK293; HepG2; Caco2; A549; MCF7; NIH3T3.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Note: Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

#### The Abpromise guarantee

**Abpromise™** 承诺保证使用ab106320于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 53 kDa (predicted molecular weight: 53 kDa).

## 靶标

### 功能

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 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.

### 序列相似性

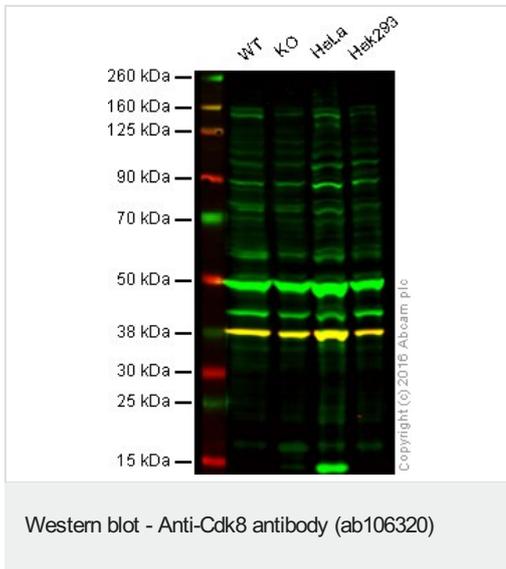
Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.

Contains 1 protein kinase domain.

### 细胞定位

Nucleus.

## 图片



**Lane 1:** Wild type HAP1 whole cell lysate (20 µg)

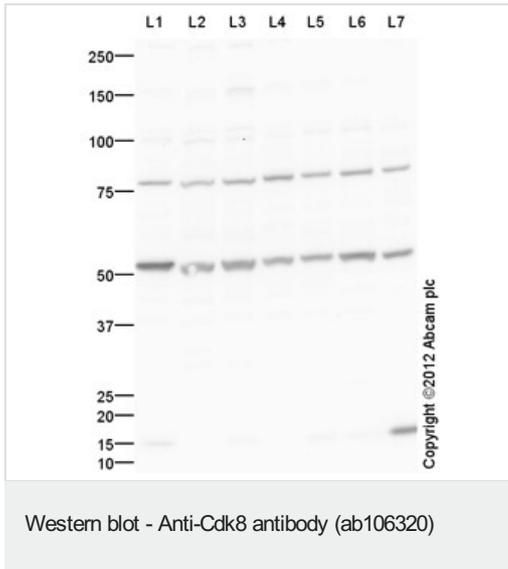
**Lane 2:** CDK8 knockout HAP1 whole cell lysate (20 µg)

**Lane 3:** HeLa whole cell lysate (20 µg)

**Lane 4:** Hek293 whole cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab106320 observed at 55 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab106320 was shown not to specifically react with CDK8 when CDK8 knockout samples were used. Wild-type and CDK8 knockout samples were subjected to SDS-PAGE. Ab106320 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1 µg/ml and 1/10000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) **ab216776** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



**All lanes :** Anti-Cdk8 antibody (ab106320) at 1 µg/ml (Milk Blocked - 5%)

**Lane 1 :** HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 2 :** HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

**Lane 3 :** HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

**Lane 4 :** Caco 2 (Human colonic carcinoma cell line) Whole Cell Lysate

**Lane 5 :** MCF7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

**Lane 6 :** A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate

**Lane 7 :** NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 53 kDa

**Observed band size:** 53 kDa

**Additional bands at:** 78 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 90 seconds

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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