

# [KO Validated] CDK8 Rabbit Polyclonal Antibody



CAB5548

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

56kDa

### Calculated MW:

53kDa

### Applications:

WB IP

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IP 1:50 - 1:100

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene encodes a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are known to be important regulators of cell cycle progression. This kinase and its regulatory subunit, cyclin C, are components of the Mediator transcriptional regulatory complex, involved in both transcriptional activation and repression by phosphorylation of the carboxy-terminal domain of the largest subunit of RNA polymerase II. This kinase regulates transcription by targeting the cyclin-dependent kinase 7 subunits of the general transcription initiation factor IIH, thus providing a link between the Mediator complex and the basal transcription machinery. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants.

## Immunogen information

### Gene ID:

1024

### Uniprot

P49336

### Synonyms:

CDK8; K35

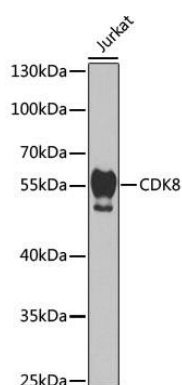
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 365-464 of human CDK8 (NP\_001251.1).

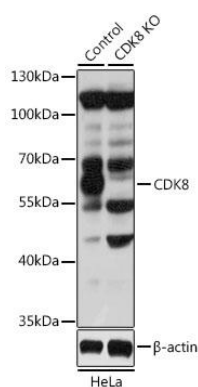
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

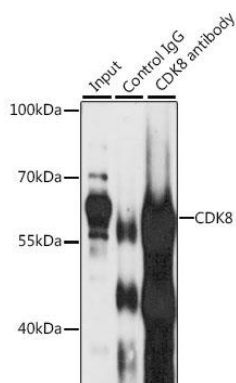
## Product Images



Western blot analysis of extracts of Jurkat cells, using CDK8 antibody (CAB5548) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Western blot analysis of extracts from normal (control) and CDK8 knockout (KO) HeLa cells, using CDK8 antibody (CAB5548) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Immunoprecipitation analysis of 200ug extracts of Jurkat cells, using 3 ug CDK8 antibody (CAB5548). Western blot was performed from the immunoprecipitate using CDK8 antibody (CAB5548) at a dilution of 1:1000.