

**[KO Validated] CDK8 polyclonal antibody**

Catalog: BS78651

Host: Rabbit

Reactivity: Human, Mouse, Rat

**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.

**Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

56kDa

**Swiss-Prot:**

P49336

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

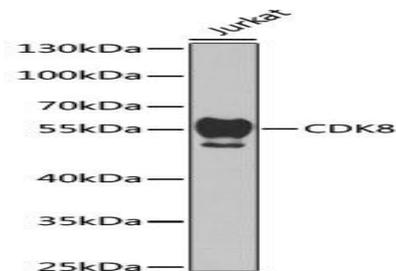
WB, 1:500 - 1:2000 | IP, 1:50 - 1:100

**Storage&Stability:**

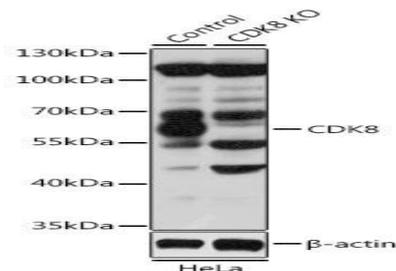
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Modification:**

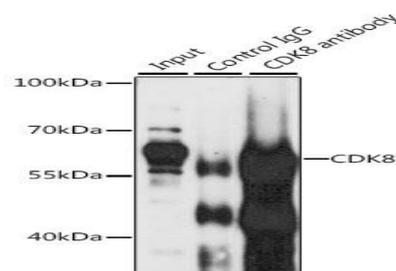
Unmodification

**DATA:**

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



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



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

**Note:****Bioworld Technology, Inc.**

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

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For research use only, not for use in diagnostic procedure.

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