[KO Validated] Anti-Cdk8 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P106308

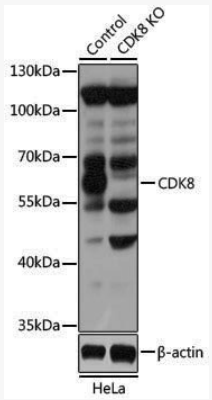
Product Information

Application	WB, IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2000; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 365-464 of human CDK8 (NP_001251.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Cdk8 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

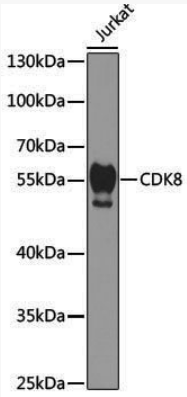
Protein Information

Synonyms	K35; IDDHBA.
Calculated MW	Calculated MW: 53 kDa; Observed MW: 56 kDa
Uniprot ID	P49336
Gene ID	1024
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.

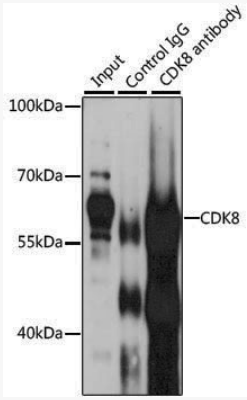
Validation Images



Western blot analysis of lysates from wild type (WT) and CDK8 knockout (KO) HeLa cells, using [KO Validated] CDK8 Rabbit pAb (P106308) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



Western blot analysis of lysates from Jurkat cells, using [KO Validated] CDK8 Rabbit pAb (P106308) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 90s.



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg CDK8 antibody (P106308). Western blot was performed from the immunoprecipitate using CDK8 antibody (P106308) at a dilution of 1:1000.