

Datasheet for ABIN7266596

**anti-CDK8 antibody****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	CDK8
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CDK8 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	CDK8 Rabbit mAb
Immunogen:	A synthesized peptide derived from human CDK8
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	CDK8
Alternative Name:	CDK8 ( <a href="#">CDK8 Products</a> )
Background:	This gene encodes a member of the cyclin-dependent protein kinase (CDK) family. CDK family

## Target Details

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. [provided by RefSeq, Oct 2016],K35,Cell Biology & Developmental Biology,Cell Cycle,Epigenetics & Nuclear Signaling,Kinase,Kinase\_Serine/threonine kinases,Notch Signaling Pathway,Signal Transduction,Wnt/ $\beta$ -Catenin Signaling Pathway,CDK8

Molecular Weight: 53kDa

Gene ID: 1024

UniProt: [P49336](#)

Pathways: [Cell Division Cycle](#), [Regulation of Lipid Metabolism by PPARalpha](#)

## Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

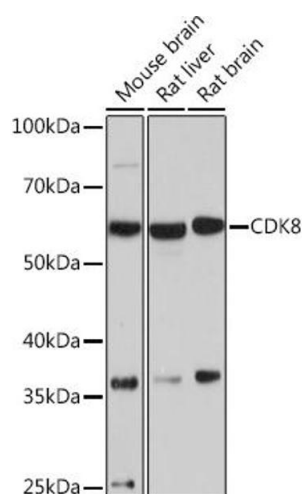
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using CDK8 Rabbit mAb (ABIN7266596) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.