

Datasheet for ABIN655911
anti-CDK8 antibody (AA 249-277)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	CDK8
Binding Specificity:	AA 249-277
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK8 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This CDK8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 249-277 amino acids from the Central region of human CDK8.
Clone:	RB20649
Isotype:	Ig Fraction
Predicted Reactivity:	Zf, M, X
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CDK8
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Target Details

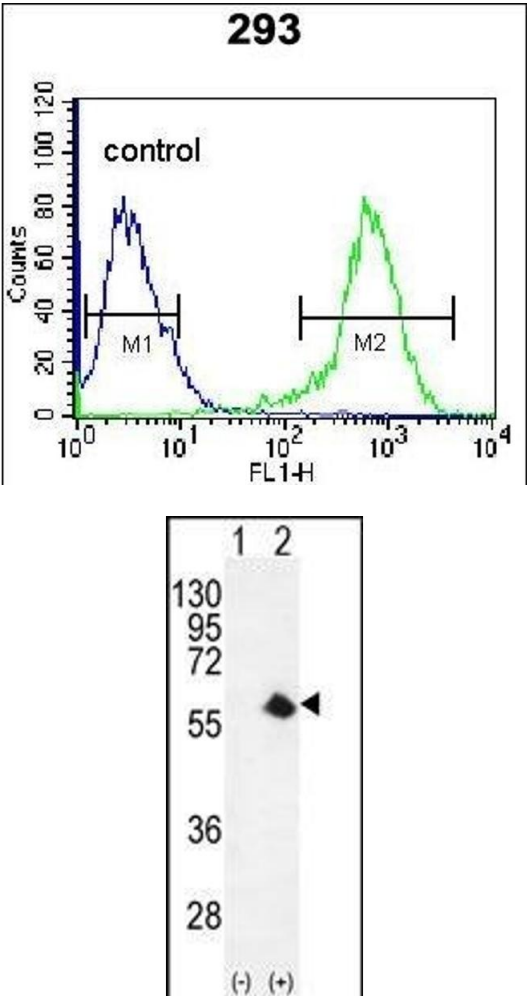
Alternative Name:	CDK8 (CDK8 Products)
Background:	The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>Saccharomyces cerevisiae</i> cdc28, and <i>Schizosaccharomyces pombe</i> cdc2, and are known to be important regulators of cell cycle progression. This kinase and its regulatory subunit cyclin C are components of the RNA polymerase II holoenzyme complex, which phosphorylates the carboxy-terminal domain (CTD) of the largest subunit of RNA polymerase II. This kinase has also been shown to regulate transcription by targeting the CDK7/cyclin H subunits of the general transcription initiation factor IIH (TFIIH), thus providing a link between the 'Mediator-like' protein complexes and the basal transcription machinery.
Molecular Weight:	53284
Gene ID:	1024
NCBI Accession:	NP_001251
UniProt:	P49336
Pathways:	Cell Division Cycle , Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. CDK8 Antibody (Center) (ABIN655911 and ABIN2845310) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of CDK8 (arrow) using rabbit polyclonal CDK8 Antibody (Center) (ABIN655911 and ABIN2845310). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CDK8 gene.