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Datasheet for ABIN6257696 anti-CDK8 antibody (N-Term)

2 Images



Overview

Quantity:	100 µL
Target:	CDK8
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human CDK8, corresponding to a region within N-terminal amino acids.
Isotype:	lgG
Specificity:	CDK8 Antibody detects endogenous levels of total CDK8.
Predicted Reactivity:	Pig,Zebrafish,Horse,Sheep,Rabbit,Dog,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	CDK8	
	Order at www.antibodies-online.com www.antikoerper-online.de www.anticorps-enligne.fr www.antibodies-online.cn International: +49 (0)241 95 163 153 USA & Canada: +1 877 302 8632 support@antibodies-online.com	

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Target Details		
Alternative Name:	CDK8 (CDK8 Products)	
Background:	Description: Component of the Mediator complex, a coactivator involved in regulated gene transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. Phosphorylates the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAp II), which may inhibit the formation of a transcription initiation complex. Phosphorylates CCNH leading to down- regulation of the TFIIH complex and transcriptional repression. Recruited through interaction with MAML1 to hyperphosphorylate the intracellular domain of NOTCH, leading to its degradation. Gene: CDK8	
Molecular Weight:	53 kDa	
Gene ID:	1024	
UniProt:	P49336	
Pathways:	Cell Division Cycle, Regulation of Lipid Metabolism by PPARalpha	
Application Details		
Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
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	

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Handling

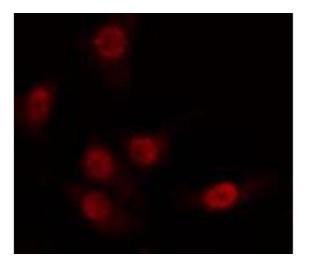
Storage Comment:

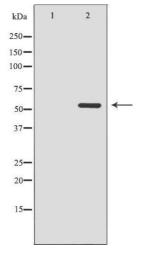
Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date:

12 months

Images





Immunofluorescence (fixed cells)

Image 1. ABIN6274263 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibody.

Western Blotting

Image 2. Western blot analysis of extracts from 293 cells, using CDK8 antibody.The lane on the left is treated with the antigen-specific peptide.

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