antibodies - online.com







anti-CDK9 antibody



Images



Overview

Quantity:	100 μL
Target:	CDK9
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CDK9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Purpose:	CDK9 Rabbit mAb
Immunogen:	A synthesized peptide derived from human CDK9
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CDK9
Alternative Name:	CDK9 (CDK9 Products)

Target Details

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 S. cerevisiae cdc28, and S. pombe cdc2, and known as important cell cycle regulators. This kinase was found to be a component of the multiprotein complex TAK/P-TEFb, which is an elongation factor for RNA polymerase II-directed transcription and functions by phosphorylating the C-terminal domain of the largest subunit of RNA polymerase II. This protein forms a complex with and is regulated by its regulatory subunit cyclin T or cyclin K. HIV-1 Tat protein was found to interact with this protein and cyclin T, which suggested a possible involvement of this protein in AIDS. [provided by RefSeq, Jul 2008],C-2k, CDC2L4, CTK1, PITALRE, TAK,Cell Biology & Developmental Biology,Cell Cycle,Epigenetics & Nuclear Signaling,Immunology & Inflammation,Kinase,Kinase_Serine/threonine kinases,Protein phosphorylation,Signal Transduction,CDK9

Molecular Weight: 43kDa

Gene ID: 1025

UniProt: P50750

Cell Division Cycle

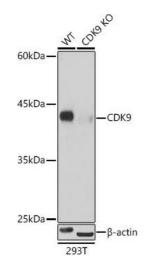
Application Details

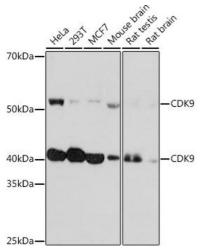
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200,ChIP-seq,2-4 μg/IP
Restrictions:	For Research Use only

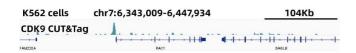
Handling

Pathways:

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 from wild type(WT) and CDK9 knockout (KO) 293T cells, using CDK9 antibody (ABIN7266597) at 1:500 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: 1s.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using CDK9 Rabbit mAb (ABIN7266597) 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: 3 min.

Image 3. CUT&Tag was performed using the CUT&TagAssayKit(pAG-Tn5)forIllumina (RK20265) from 10 ⁵ K562 cells with 5 ug CDK9 Rabbit mAb,along with a Goat Anti-Rabbit IgG(H+L). The CUT&Tag results indicate the enrichment pattern of CDK9 in representative gene loci (R), as shown in figure.

Please check the product details page for more images. Overall 7 images are available for ABIN7266597.