

Datasheet for ABIN3030623
anti-CDK9 antibody (AA 251-278)



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2 Images

Overview

Quantity:	0.4 mL
Target:	CDK9
Binding Specificity:	AA 251-278
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 251-278 from the mouse protein was used as the immunogen for this Cdk9 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine
Purification:	Antigen affinity purified

Target Details

Target:	CDK9
Alternative Name:	Cdk9 (CDK9 Products)
Background:	Member of the cyclin-dependent kinase pair (CDK9/cyclin-T) complex, also called positive

Target Details

transcription elongation factor b (P-TEFb), which facilitates the transition from abortive to production elongation by phosphorylating the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAP II), SUPT5H and RDBP. The CDK9/cyclin-K complex has also a kinase activity toward CTD of RNAP II and can substitute for P-TEFb in vitro (By similarity).

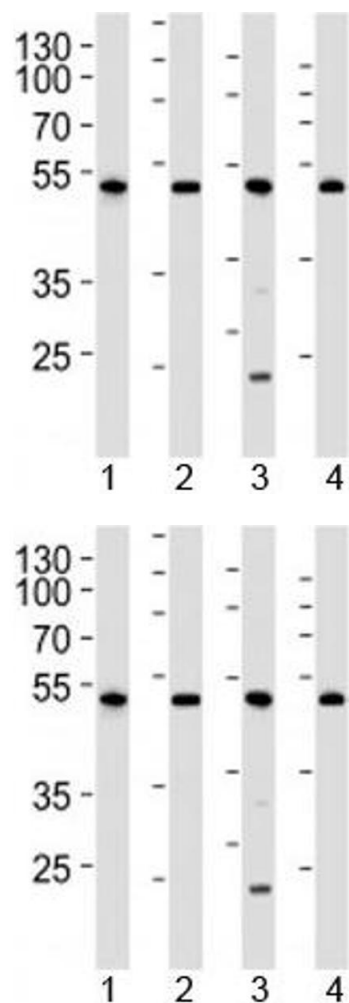
UniProt:	Q99J95
Pathways:	Cell Division Cycle

Application Details

Application Notes:	Titration of the Cdk9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the Cdk9 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot analysis of lysate from 1) human 293, 2) mouse NIH3T3, 3) rat C6 cell line and 4) mouse kidney tissue lysate using Cdk9 antibody at 1:1000. Predicted molecular weight ~43 kDa.

Western Blotting

Image 2. Western blot analysis of lysate from 1) human 293, 2) mouse NIH3T3, 3) rat C6 cell line and 4) mouse kidney tissue lysate using Cdk9 antibody at 1:1000. Predicted molecular weight ~43 kDa.