

CDK9 Ab

Cat.#: BF0184
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Mouse

Mol.Wt.: 43kDa
Clonality: Monoclonal

Application:	ELISA 1/10000, WB 1/500 - 1/2000, IHC 1/200 - 1/1000
Reactivity:	Human,Mouse
Purification:	Affinity-chromatography.
Specificity:	CDK9 Ab detects endogenous levels of total CDK9.
Immunogen:	Purified recombinant fragment of human CDK9 expressed in E. Coli.
Uniprot:	P50750
Description:	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>S. cerevisiae</i> <i>cdc28</i> , and <i>S. pombe</i> <i>cdc2</i> , 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.
Subcellular Location:	Nucleus.
Tissue Specificity:	Ubiquitous.
Similarity:	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.
Storage Condition and Buffer:	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

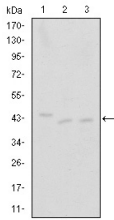
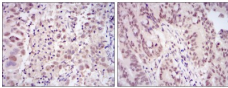


Figure 1: Western blot analysis using CDK9 mouse mAb against Jurkat (1), A431 (2) and HEK293 (3) cell lysate.



Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues (left) and rectum cancer tissues (right) using CDK9 mouse mAb with DAB staining.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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