



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to CDK9

**Catalog Number:** MAB-606030212

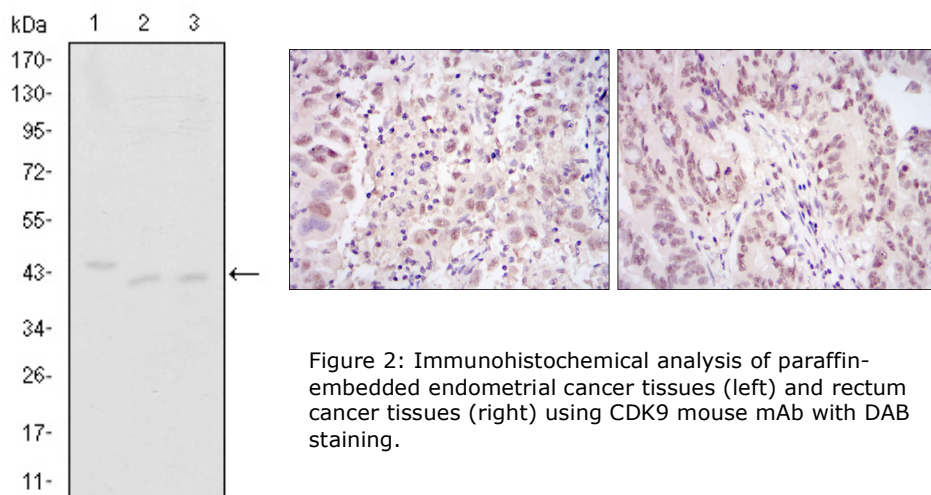


Figure 1: Western blot analysis using CDK9 mouse mAb against Jurkat (1), A431 (2) and HEK293 (3) cell lysate.

Lot#:  
Clone#: 1B5D10  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 43kDa  
Aliases: TAK; C-2k; CTK1; CDC2L4; PITALRE  
Entrez Gene: 1025  
Species reactivity: Human

**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 *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) Tissue specificity: Ubiquitous.

**Immunogen** Purified recombinant fragment of human CDK9 expressed in *E. Coli*.

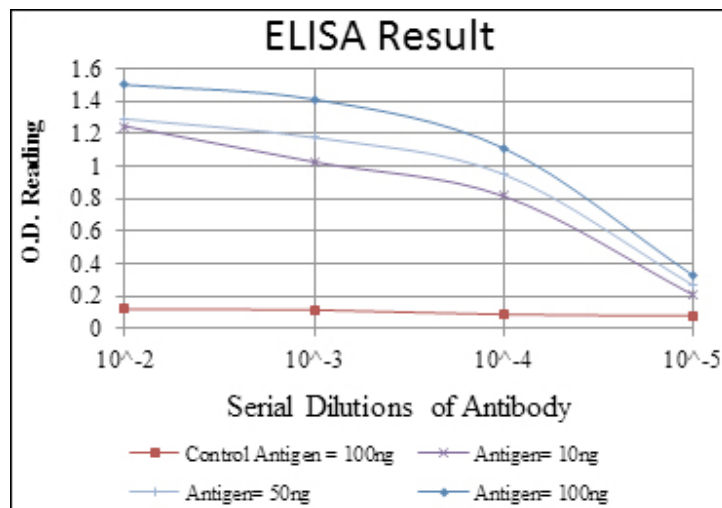
**Application** Western Blotting: 1/500 - 1/2000.  
Immunohistochemistry: 1/200 - 1/1000.  
ELISA: Propose dilution 1/10000.  
Not yet tested in other applications.  
Determining optimal working dilutions by titration test.

**Formulation** Ascitic fluid containing 0.03% sodium azide.

**Storage** Store at 4°C, for long term storage, store at -20°C.

**Related product**

**References** 1. J Biol Chem. 2008 Mar 21;283(12):7368-78.  
2. Mol Cell Biol. 2008 Apr;28(7):2201-12.



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