



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to CDK5

**Catalog Number:** MAB-606030210

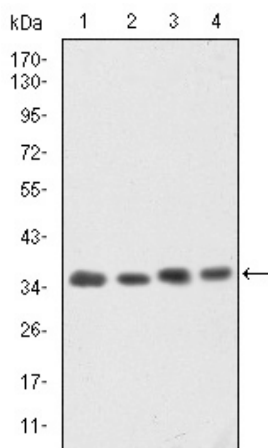


Figure 1: Western blot analysis using CDK5 mouse mAb against HeLa (1), K562 (2), PC-12 (3) and Cos7 (4) cell lysate.

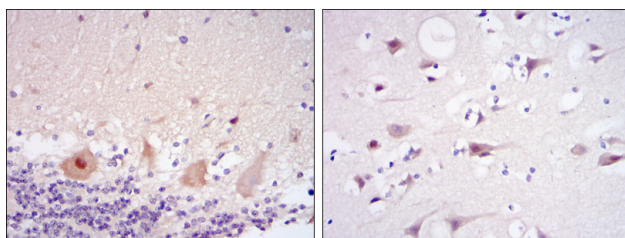


Figure 2: Immunohistochemical analysis of paraffin-embedded cerebellum tissues (left) and brain tissues (right) using CDK5 mouse mAb with DAB staining.

Lot#:  
Clone#: 4E4  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 35kDa  
Aliases: PSSALRE  
Entrez Gene: 1020  
Species reactivity: Human; Rat; Monkey

**Description** Function: Probably involved in the control of the cell cycle. Interacts with D1 and D3-type G1 cyclins. Can phosphorylate histone H1, tau, MAP2 and NF-H and NF-M. Also interacts with p35 which activates the kinase.

**Immunogen** Purified recombinant fragment of human CDK5 expressed in E. Coli.

**Application** Western Blotting: 1/500 - 1/2000.

Immunohistochemistry: 1/200 - 1/1000.

Immunofluorescence: 1/200 - 1/1000.

Flow cytometry: 1/200 - 1/400.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

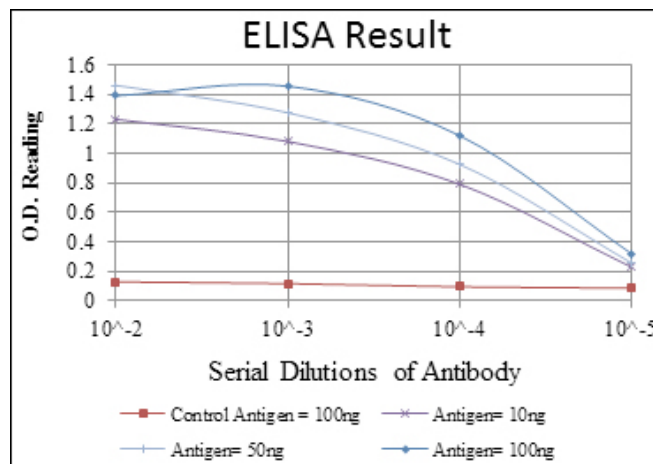
Determining optimal working dilutions by titration test.

**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. Cell Cycle. 2008 Nov 15;7(22):3487-90.  
2. J Hum Genet. 2009 May;54(5):298-303.



**For Research Use Only**

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