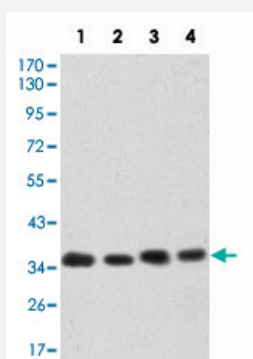


CDK5 monoclonal antibody, clone 4E4

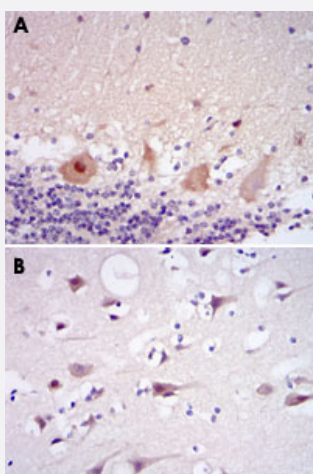
Catalog # MAB10549 Size 100 uL

Applications



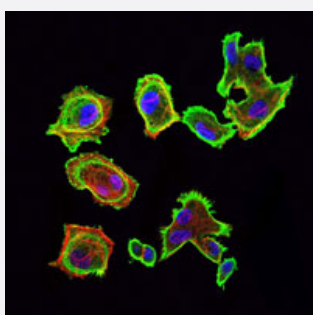
Western Blot (Cell lysate)

Western blot analysis using CDK5 monoclonal antibody, clone 4E4 (Cat # MAB10549) against HeLa (1), K-562 (2), PC-12 (3) and COS-7 (4) cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human cerebellum tissues (A) and brain tissues (B) using CDK5 monoclonal antibody, clone 4E4 (Cat # MAB10549) with DAB staining.

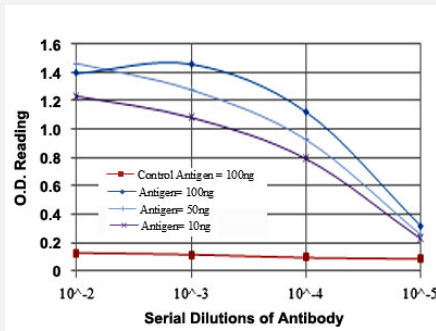


Immunofluorescence

Immunofluorescence analysis of GC7901 cells using CDK5 monoclonal antibody, clone 4E4 (Cat # MAB10549) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

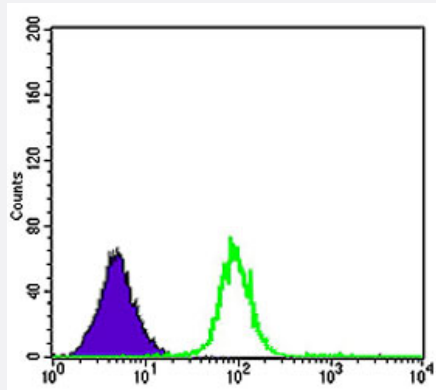
Enzyme-linked Immunoabsorbent Assay

ELISA detection with CDK5 monoclonal antibody, clone 4E4 (Cat # MAB10549).



Flow Cytometry

Flow cytometric analysis of K-562 cells using CDK5 monoclonal antibody, clone 4E4 (Cat # MAB10549) (green) and negative control (purple).



Specification

Product Description Mouse monoclonal antibody raised against partial recombinant CDK5.

Immunogen Recombinant protein corresponding to human CDK5.

Host Mouse

Theoretical MW (kDa) 35

Reactivity Human, Monkey, Rat

Form Liquid

Isotype IgG1

Recommend Usage

- ELISA (1:10000)
- Western Blot (1:500-1:2000)
- Immunohistochemistry (1:200-1:1000)
- Immunofluorescence (1:200-1:1000)
- Flow cytometry (1:200-1:400)
- The optimal working dilution should be determined by the end user.

Storage Buffer In ascites (0.03% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Flow Cytometry

Flow cytometric analysis of K-562 cells using CDK5 monoclonal antibody, clone 4E4 (Cat # MAB10549) (green) and negative control (purple).

Gene Info — CDK5

Entrez GeneID[1020](#)**Gene Name**

CDK5

Gene Alias

PSSALRE

Gene Description

cyclin-dependent kinase 5

Omim ID[123831](#)**Gene Ontology**[Hyperlink](#)**Other Designations**

protein kinase CDK5 splicing

Pathway

- [Axon guidance](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Obesity](#)
- [Pulmonary Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)