Product Name: CDK5 (2E8) Mouse Monoclonal Antibody
Catalog #: AMM03453

Summary

Production Name	CDK5 (2E8) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,ICC/IF
Reactivity	Human,Mouse,Rat,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	CDK5
Alternative Names	Cdk 5; Cdk5; CDK5_HUMAN; Cell division protein kinase 5; Crk6; Cyclin dependent kinase 5; Cyclin-dependent kinase 5; Protein kinase CDK5 splicing; PSSALRE; Serine threonine protein kinase PSSALRE; Serine/threonine-protein kinase PSSALRE; Tau protein kinase II catalytic subunit; TPKII catalytic subunit.
Gene ID	1020
SwissProt ID	Q00535.

Application

Dilution Ratio	WB: 1:500-1:1000 IF: 1:50-1:200
Molecular Weight	Calculated MW: 33 kDa; Observed MW: 36 kDa

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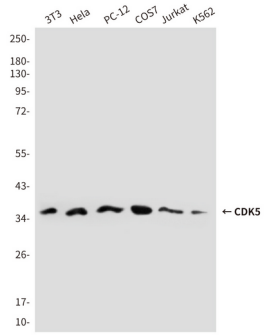
Background

Activated by cyclins but by p35 (CDK5R1) and p39. An important regulator of neuronal positioning during brain development. May also play a role in synaptogenesis and neurotransmission. Substrates include TAU, MAP2, NF-H and -M, Nudel, PDE6, beta-catenin, amphyphysin, dynamin I, synapsin 1, Munc-18, and NMDA receptor 2A. Plays a role in myogenesis, haematopoietic cell differentiation, spermatogenesis, insulin secretion, and lens differentiation.

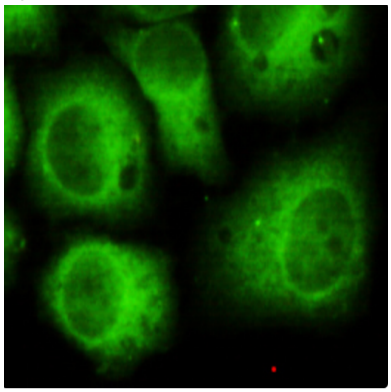
Research Area

Cell Biology

Image Data



Western blot analysis of CDK5(Nterminus) in 3T3, Hela, PC-12, COS7, Jurkat and K562 lysates using Cdk5 antibody.



Immunocytochemistry analysis of CDK5 in HeLa cells using CDK5 antibody.

Note

For research use only.