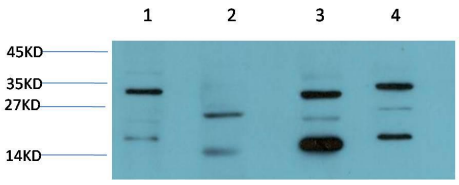
CDK5 Mouse Monoclonal Antibody(3D1)

Catalog No： RA10289

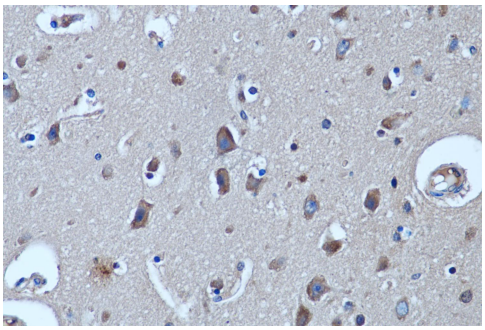
Basic Information	
Host species	Mouse
Applications	WB，IHC
Species Cross-Reactivity	H,M,R
Specificity	Antibody can detects endogenous Human, Mouse, Rat CDK5 protein.
Recommended dilutions	WB:1:1,000-2,000 IHC:1:200-500 Optimal dilutions should be determined by the end user.
Applications	
Formulation	Antigen Affinity Purified IgG in PBS, pH 7.4, containing 0.02% sodium azide as Preservativeand 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal
Background	
Alternative Names	CDKN5; Cyclin-dependent kinase 5; Cell division protein kinase 5; Serine/threonine-protein kinase PSSALRE; Tau protein kinase II catalytic subunit; TPKII catalytic subunit
Observed band	33
Human Gene ID	1020
Human Swiss-Prot Number	Q00535
Background	cyclin dependent kinase 5(CDK5) Homo sapiens This gene encodes a proline-directed serine/threonine kinase that is a member of the cyclin-dependent kinase family of proteins. Unlike other members of the family, the protein encoded by this gene does not directly control cell cycle regulation. Instead the protein, which is predominantly expressed at high levels in mammalian postmitotic central nervous system neurons, functions in diverse processes such as synaptic plasticity and neuronal migration through phosphorylation of proteins required for cytoskeletal organization, endocytosis and exocytosis, and apoptosis. In humans, an allelic variant of the gene that results in undetectable levels of the protein has been associated with lethal autosomal recessive lissencephaly-7. Alternative splicing results in multiple

transcript variants.

Selected Validation Data



Western blot analysis of1)Hela Cell,2)Jurkat Cell,3)Mouse Brain Tissue, 4)Rat Brain Tissue Lysate using CDK5 Mouse Monoclonal antibody diluted at 1:2,000



Immunohistochemical analysis of paraffin-embedded Human BrainTissue using CDK5 Mouse Monoclonal antibody diluted at 1:200.