CDK5 Mouse Monoclonal Antibody(3D1)

Catalog	TDY1011C	TDY1011F	Tel：010-80117836
			Web：www.tdybio.com
Quantity	50μL	100μL	Entrez-Gene ID:1020 , Swiss-Prot Acc.Q00535

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB，IHC	H,M,R	33KD	IgG1

Storage Buffer & Condition: Antigen Affinity Purified IgG in PBS, pH 7.4, containing 0.02% *sodium azide* as Preservativeand 50% Glycerol.

Store at *-20℃*. *Do not aliquot the antibody*.

Recommended dilutions:WB:1:1,000-2,000   IHC:1:200-500

*Optimal dilutions should be determined by the end user.*

Specificity: Antibody can detects endogenous Human, Mouse, Rat CDK5 protein.

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

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.
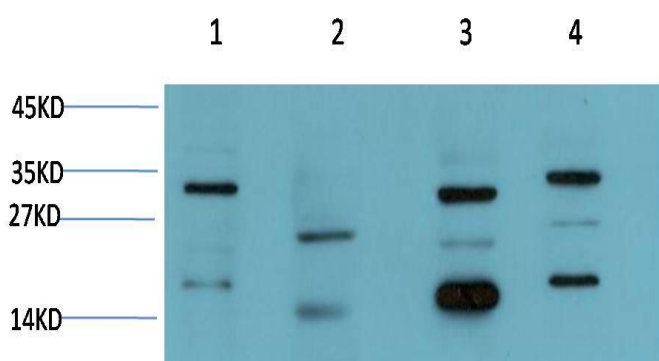
Western blot analysis of1)Hela Cell,2)Jurkat Cell,3)Mouse Brain Tissue, 4)Rat Brain Tissue Lysate using （TDY1011）Mouse mAb diluted at 1:2,000.
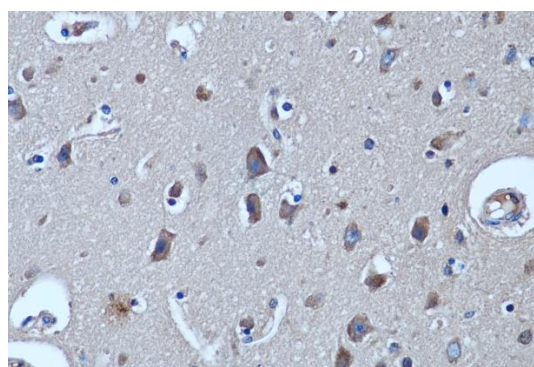
Immunohistochemical analysis of paraffin-embedded Human BrainTissue using CDK5（TDY1011） Mouse Monoclonal antibody diluted at 1:200.

Applications: WB-Western blot   IHC-Immunochemistry   IF-Immunofluorescence   IP-Immunoprecipitation   ChIP-Chormatin Immunoprecipitation
Reactivity: H-HumanR-RatM-MouseMk-MonkeyDg-DogCh-ChickenHm-HamsterRb-RabbitSh-SheepPg-Pig   Z-Zebrafish