

CDK5 Polyclonal Antibody

Catalog NumberPA5-28795

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	Synthetic peptide corresponding to a region within amino acids 229 and 292 of Human CDK5		
Conjugate	Unconjugated	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Form	Liquid	Western Blot (WB)	1:500-1:3,000
Concentration	1 mg/mL	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Purification	Antigen affinity chromatography	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, Jurkat, Mouse brain. Predicted reactivity: Mouse (100%), Rat (100%), Pig (100%), Sheep (100%), Rhesus Monkey (100%), Bovine (100%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

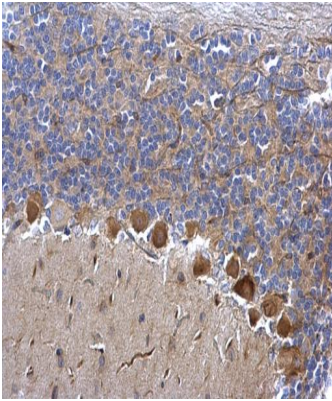
CDK5 is a member of the Cyclin-Dependent Kinase family that is most abundant in the mammalian brain. Active form of CDK5, which has also been called neuronal cdc2-like kinase, is a heterodimer of CDK5 and a 25 kDa protein which is derived proteolytically from a 35 kDa brain and neuron-specific protein and is essential for the kinase activity of CDK5. CDK5 has emerged as a crucial regulator of neuronal migration in the developing central nervous system. CDK5 phosphorylates a diverse list of substrates, implicating it in the regulation of a range of cellular processes - from adhesion and motility, to synaptic plasticity and drug addiction.

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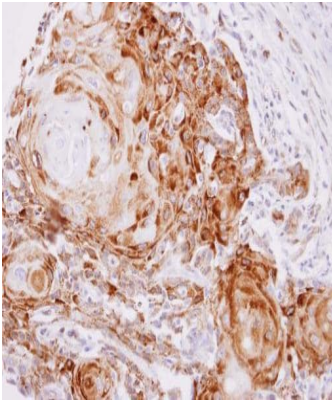
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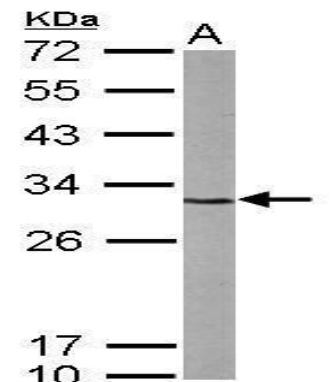
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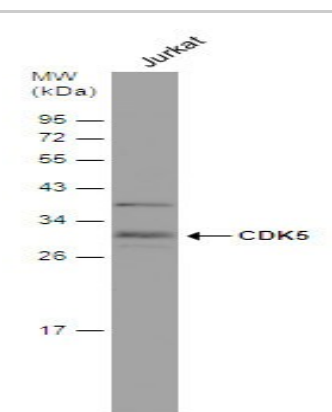
CDK5 Antibody (PA5-28795) in IHC (P)
CDK5 Polyclonal Antibody detects CDK5 protein at cytosol on rat hind brain by immunohistochemical analysis. Sample: Paraffin-embedded rat hind brain. CDK5 Polyclonal Antibody (Product # PA5-28795) dilution: 1:500. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



CDK5 Antibody (PA5-28795) in IHC (P)
Immunohistochemical analysis of paraffin-embedded ES2 xenograft, using CDK5 (Product # PA5-28795) antibody at 1:100 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



CDK5 Antibody (PA5-28795) in WB
Western Blot using CDK5 Polyclonal Antibody (Product # PA5-28795). Sample (50 µg of whole cell lysate). Lane A: mouse brain. 12% SDS PAGE. CDK5 Polyclonal Antibody (Product # PA5-28795) diluted at 1:1,000.



CDK5 Antibody (PA5-28795) in WB
Western Blot analysis of CDK5 was performed by separating 30 µg of whole cell extract by 12% SDS-PAGE. Proteins were transferred to a membrane and probed with a CDK5 Polyclonal Antibody (Product # PA5-28795) at a dilution of 1:500.

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