

CDK5R1 Monoclonal antibody

Catalog Number: 67503-1-Ig 3 Publications

Basic Information

Catalog Number: 67503-1-Ig	GenBank Accession Number: BC020580	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 8851	CloneNo.: 1A3A5
Source: Mouse	UNIPROT ID: Q15078	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800
Isotype: IgG2b	Full Name: cyclin-dependent kinase 5, regulatory subunit 1 (p35)	
Immunogen Catalog Number: AG13152	Calculated MW: 34 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB, IF, IHC, ColP	WB : pig cerebellum tissue, pig brain tissue, rat brain tissue, mouse brain tissue, mouse cerebellum tissue
Species Specificity: Human, mouse, rat, pig, rabbit	IHC : mouse brain tissue, rat brain tissue
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Cyclin dependent kinase-5 (Cdk5), is an atypical but essential member of the Cdk family of proline-directed serine/threonine kinases. CDK5R1 encodes p35, a specific activator of the serine/threonine kinase CDK5, which plays a central role in neuronal migration and differentiation during central nervous system development. The p35 form of this protein is proteolytically cleaved by calpain, generating a p25 form.

Notable Publications

Author	Pubmed ID	Journal	Application
Li Zeng	35024240	Mol Ther Nucleic Acids	IHC
Ran Zhuo	38636893	Cancer Lett	WB
Xiao-Ling Liang	38024857	J Pharm Anal	WB,IF,ColP

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

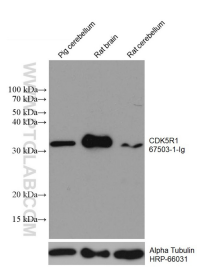
For technical support and original validation data for this product please contact:

T: 4006900926

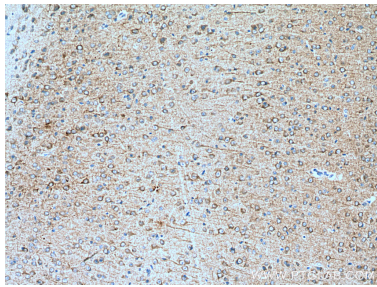
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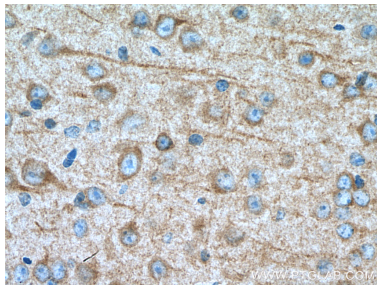
Selected Validation Data



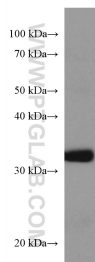
Various lysates were subjected to SDS PAGE followed by western blot with 67503-1-Ig (CDK5R1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67503-1-Ig (CDK5R1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67503-1-Ig (CDK5R1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 67503-1-Ig (CDK5R1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.