

For Research Use Only

# CDK5R2/p39 Polyclonal antibody

Catalog Number: 27058-1-AP



## Basic Information

Catalog Number:

27058-1-AP

Size:

850 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25834

GenBank Accession Number:

BC041771

GeneID (NCBI):

8941

UNIPROT ID:

Q13319

Full Name:

cyclin-dependent kinase 5, regulatory subunit 2 (p39)

Observed MW:

39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : Neuro-2a cells, mouse brain tissue, rat brain tissue

IHC : mouse brain tissue,

## Background Information

CDK5R2 is a neuron-specific activator of CDK5 kinase. It associates with CDK5 to form an active kinase. This protein and neuron-specific CDK5 activator CDK5R1/p39NCK5A both share limited similarity to cyclins, and thus may define a distinct family of cyclin-dependent kinase activating proteins.

## 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:

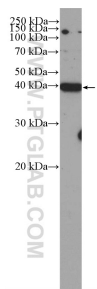
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

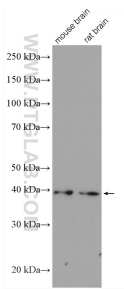
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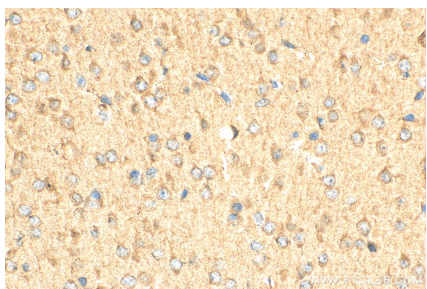
## Selected Validation Data



Neuro-2a cells were subjected to SDS PAGE followed by western blot with 27058-1-AP (CDK5R2/p39 antibody at dilution of 1:600 incubated at 4 degree celsius over night.



various lysates were subjected to SDS PAGE followed by western blot with 27058-1-AP (CDK5R2/p39 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 27058-1-AP (CDK5R2/p39 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).