

For Research Use Only

# p35 Polyclonal antibody

Catalog Number: 18346-1-AP

3 Publications



## Basic Information

### Catalog Number:

18346-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 220 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13152

### GenBank Accession Number:

BC020580

### GeneID (NCBI):

8851

### UNIPROT ID:

Q15078

### Full Name:

cyclin-dependent kinase 5, regulatory subunit 1 (p35)

### Calculated MW:

34 kDa

### Observed MW:

34 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse

### Positive Controls:

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

## 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
Yue Li	29031852	Neuropharmacology	WB
Honglu Yu	37771520	Front Aging Neurosci	WB
Archana Sharma	36853429	Mol Neurobiol	WB

## 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

\*\*\* 20ul sizes contain 0.1% BSA

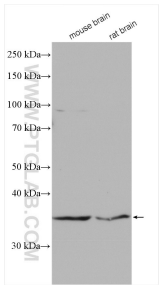
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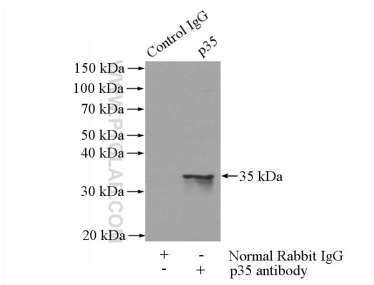
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18346-1-AP (p35 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-p35 (IP:18346-1-AP, 4ug; Detection:18346-1-AP 1:500) with mouse brain tissue lysate 3440ug.