

p35 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51069

Specification

p35 Antibody - Product Information

Application	WB, ICC, E
Primary Accession	Q15078
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35 KDa

p35 Antibody - Additional Information

Gene ID 8851

Other Names

Cyclin-dependent kinase 5 activator 1, CDK5 activator 1, Cyclin-dependent kinase 5 regulatory subunit 1, TPKII regulatory subunit, Cyclin-dependent kinase 5 activator 1, p35, p35, Cyclin-dependent kinase 5 activator 1, p25, p25, Tau protein kinase II 23 kDa subunit, p23, CDK5R1, CDK5R, NCK5A

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CDK5R1 p35. The exact sequence is proprietary.

Dilution

WB~~1:1000
ICC~~N/A
E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

p35 Antibody - Protein Information

Name CDK5R1

Synonyms CDK5R, NCK5A

Function

p35 is a neuron specific activator of CDK5. The complex p35/CDK5 is required for neurite outgrowth and cortical lamination. Involved in dendritic spine morphogenesis by mediating the EFNA1-EPHA4 signaling. Activator of TPKII. The complex p35/CDK5 participates in the regulation of

the circadian clock by modulating the function of CLOCK protein: phosphorylates CLOCK at 'Thr-451' and 'Thr-461' and regulates the transcriptional activity of the CLOCK-BMAL1 heterodimer in association with altered stability and subcellular distribution.

Cellular Location

[Cyclin-dependent kinase 5 activator 1, p35]: Cell membrane; Lipid-anchor; Cytoplasmic side. Cell projection, neuron projection. Note=In the primary cortical neurons, p35 is present in the peripheries and nerve terminals.

Tissue Location

Brain and neuron specific.

p35 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

p35 Antibody - Images**p35 Antibody - Background**

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p35 Antibody - References

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Kalnina N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
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Patrick G.N., et al. Nature 402:615-622(1999).
Kerokoski P., et al. Brain Res. Mol. Brain Res. 106:50-56(2002).