

# p35 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51069

## Product Information

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<b>Application</b>	WB, ICC
<b>Primary Accession</b>	<a href="#">Q15078</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	34060

## Additional Information

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<b>Gene ID</b>	8851
<b>Other Names</b>	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
<b>Dilution</b>	WB~~1:1000 ICC~~N/A
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	CDK5R1
<b>Synonyms</b>	CDK5R, NCK5A
<b>Function</b>	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.
<b>Cellular Location</b>	[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.
<b>Tissue Location</b>	Brain and neuron specific.

## Background

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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.

## References

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