

Cdk5r1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10175**Specification**

Cdk5r1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P61809
Other Accession	NM_009871 , NP_034001
Reactivity	Human, Mouse, Rat, Horse, Bovine, Dog
Predicted	Human, Mouse, Pig, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34kDa KDa

Cdk5r1 antibody - C-terminal region - Additional Information**Gene ID** 12569**Alias Symbol** Cdk5r, D11Bwg0379e, p25, p35**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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Cdk5r1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Cdk5r1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Cdk5r1 antibody - C-terminal region - 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 {ECO:0000250|UniProtKB:Q15078}; Lipid-anchor {ECO:0000250|UniProtKB:Q15078}; Cytoplasmic side {ECO:0000250|UniProtKB:Q15078}. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q15078}. Note=In the primary cortical neurons, p35 is present in the peripheries and nerve terminals {ECO:0000250|UniProtKB:Q15078}

Tissue Location

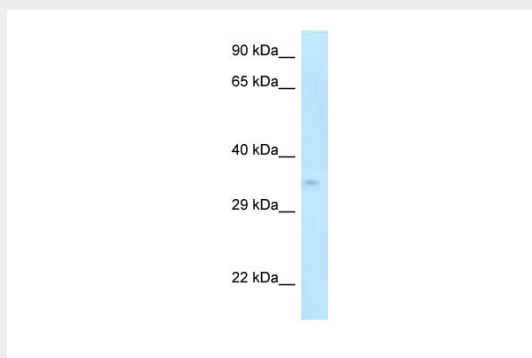
Brain and neuron specific.

Cdk5r1 antibody - C-terminal region - 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](#)

Cdk5r1 antibody - C-terminal region - Images



WB Suggested Anti-Cdk5r1 Antibody

Titration: 1. µg/ml

Positive Control: Mouse Pancreas