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# Cdk5r1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10175

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | P61809 |
| **Other Accession** | NM_009871, NP_034001 |
| **Reactivity** | Human, Mouse, Rat, Dog, Horse, Bovine |
| **Predicted** | Human, Mouse, Pig, Dog, Guinea Pig |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 34031 |

## Additional Information

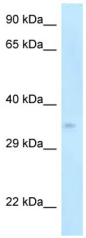
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|---|---|
| **Gene ID** | 12569 |
| **Alias Symbol** | Cdk5r, D11Bwg0379e, p25, p35 |
| **Other Names** | Cyclin-dependent kinase 5 activator 1, CDK5 activator 1, Cyclin-dependent kinase 5 regulatory subunit 1, TPKII regulatory subunit, Cyclin-dependent 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. |

## Protein Information

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|---|---|
| **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 |

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| | 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. |

## Images




WB Suggested Anti-Cdk5r1 Antibody
Titration: 1. µg/ml
Positive Control: Mouse Pancreas

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.