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Cdk5r1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10175

Product Information

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

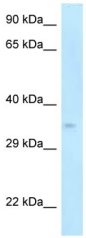
Gene ID	12569
Alias Symbol	Cdk5r, D11Bwg0379e, p25, p35
Other Names	Cyclin-dependent kinase 5 activator 1, CDK5 activator 1, Cyclin-dependent kinase 5 regulatory subunit 1, TPKII regulatory subunit, Cyclin-dependent kinase 5 activator 1, p35, p35, Cyclin-dependent kinase 5 activator 1, p25, p25, Tau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

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.

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'.