

Rabbit anti-Human, mouse CDK5R1 Polyclonal Antibody | anti-CDK5R1 antibody

CDK5R1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289454	Rabbit	Human, mouse	ELISA, Western Blot

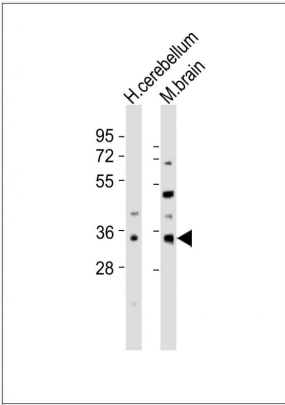
PRODUCT SYNONYMS

CDK5R1; Polyclonal Antibody; CDK5R1 Antibody (N-term); Cyclin-dependent kinase 5 activator 1; CDK5 activator 1; Cyclin-dependent kinase 5 regulatory subunit 1; TPKII regulatory subunit; p35; p25; Tau protein kinase II 23 kDa subunit; p23; CDK5R; NCK5A; anti-CDK5R1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CDK5R1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 30-64 amino acids from the N-terminal region of human CDK5R1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.309 (varies by lot)
Sequence Length	307
Applicable Applications for anti-CDK5R1 antibody	ELISA, WB (Western Blot)
Cellular Location	Cyclin-dependent kinase 5 activator 1, p35: Cell membrane; Lipid-anchor; Cytoplasmic side. Note=In the primary cortical neurons, p35 is present in the peripheries and nerve terminals
Tissue Location	Brain and neuron specific.
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
All lanes : Anti-CDK5R1 Antibody (N-term) at 1:2000 dilution
Lane 1: human cerebellum lysates
Lane 2: mouse brain lysates
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 34 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK5R1 antibody	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-ARNTL/BMAL1 heterodimer in association with altered stability and subcellular distribution.
Product Categories/Family for anti-CDK5R1 antibody	Cell Biology; Neuroscience; Signal Transduction
References	Tsai L.-H.,et al.Nature 371:419-423(1994). Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases. Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Patrick G.N.,et al.Nature 402:615-622(1999). Kerokoski P.,et al.Brain Res. Mol. Brain Res. 106:50-56(2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502737
NCBI GeneID	8851
NCBI Accession #	NP_003876.1
NCBI GenBank Nucleotide #	NM_003885.2
UniProt Accession #	Q15078; Q5U0G3; E1P664
Molecular Weight	34060
NCBI Official Full Name	cyclin-dependent kinase 5 activator 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 5, regulatory subunit 1 (p35)
NCBI Official Symbol	CDK5R1
NCBI Official Synonym Symbols	p23; p25; p35; CDK5R; NCK5A; CDK5P35; p35nck5a
NCBI Protein Information	cyclin-dependent kinase 5 activator 1
UniProt Protein Name	Cyclin-dependent kinase 5 activator 1
UniProt Gene Name	CDK5R1

UniProt Synonym Gene Names	CDK5R; NCK5A; CDK5 activator 1; p35; p25; p23
UniProt Entry Name	CD5R1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cdk5r1-antibody-western-blot-elisa/289454>