Rabbit CDK5R1 (p35) Polyclonal Antibody | anti-CDK5R1 antibody

CDK5R1 (p35) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286820	**Rabbit**	**Human (Predicted Reactivity: Bovine, Mouse, Rat)**	**Western Blot, Immunohistochemistry, ELISA**

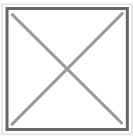
PRODUCT SYNONYMS

CDK5R1 (p35); Polyclonal Antibody; CDK5R1 (p35) Antibody (C-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; CDK5R1; CDK5R; NCK5A; anti-CDK5R1 antibody

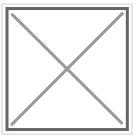
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CDK5R1(p35) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 272-301 amino acids from the C-terminal region of human CDK5R1(p35).
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: 0.5 (varies by lot)
Sequence Positions	272-301
Sequence Length	307
Applicable Applications for anti-CDK5R1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
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)
CDK5R1 Antibody (C-term) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the CDK5R1 antibody detected the CDK5R1 protein (arrow).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with CDK5R1(p35) Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK5R1 antibody	p35 is a neuron-specific activator of cyclin-dependent kinase 5 (CDK5); the activation of CDK5 is required for proper development of the central nervous system. The p35 form of this protein is proteolytically cleaved by calpain, generating a p25 form. The cleavage of p35 into p25 results in relocalization of the protein from the cell periphery to nuclear and perinuclear regions. P25 deregulates CDK5 activity by prolonging its activation and changing its cellular location. The p25 form accumulates in the brain neurons of patients with Alzheimer's disease. This accumulation correlates with an increase in CDK5 kinase activity, and may lead to aberrantly phosphorylated forms of the microtubule-associated protein tau, which contributes to Alzheimer's disease.
Product Categories/Family for anti-CDK5R1 antibody	Cell biology; Neuroscience
References	Lin,S., FEBS Lett. 582 (8), 1197-1202 (2008) Sen,A., Neuroreport 18 (5), 511-516 (2007) Mitsios,N., Brain Pathol. 17 (1), 11-23 (2007)

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/cdk5r1-p35-antibody-western-blot-immunohistochemistry-elisa/286820