





## CDK5R1 Antibody

Product Code         CSB-PA932439           Storage         Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.           Uniprot No.         Q15078           Immunogen         Synthesized peptide derived from internal of Human CDK5R1.           Raised In         Rabbit           Species Reactivity         Human, Mouse, Rat           Specificity         The antibody detects endogenous levels of total CDK5R1 protein.           Tested Applications         ELISA,WB,IF;WB:1:500-1:3000,IF:1:100-1:500           Relevance         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.           Form         Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.           Purification Method         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Clonality         Polyclonal           Alias         CD5R; CD5R1; CDK5 activator 1; CDK5R; Cyclin-dependent kinase 5 activator 1 precursor           Product Type         <		
Uniprot No.         Q15078           Immunogen         Synthesized peptide derived from internal of Human CDK5R1.           Raised In         Rabbit           Species Reactivity         Human,Mouse,Rat           Specificity         The antibody detects endogenous levels of total CDK5R1 protein.           Tested Applications         ELISA,WB,IF;WB:1:500-1:3000,IF:1:100-1:500           Relevance         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.           Form         Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCI, 0.02% sodium azide and 50% glycerol.           Purification Method         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Clonality         Polyclonal           Alias         CD5R; CD5R1; CDK5 activator 1; CDK5R; Cyclin-dependent kinase 5 activator 1 precursor           Product Type         Polyclonal Antibody           Species         Homo sapiens (Human)           Target Names	<b>Product Code</b>	CSB-PA932439
Immunogen         Synthesized peptide derived from internal of Human CDK5R1.           Raised In         Rabbit           Species Reactivity         Human,Mouse,Rat           Specificity         The antibody detects endogenous levels of total CDK5R1 protein.           Tested Applications         ELISA,WB,IF;WB:1:500-1:3000,IF:1:100-1:500           Relevance         p35 is a neuron specific activator of CDK5. The complex p35/CDK5 is required for neurite outgrowth and cortical lamination. Involved in dendritics pine 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.           Form         Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.           Purification Method         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Clonality         Polyclonal           Alias         CD5R; CD5R1; CDK5 activator 1; CDK5R; Cyclin-dependent kinase 5 activator 1 precursor           Product Type         Polyclonal Antibody           Species         Homo sapiens (Human)           Target Names         CDK5R1	Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Raised In         Rabbit           Species Reactivity         Human, Mouse, Rat           Specificity         The antibody detects endogenous levels of total CDK5R1 protein.           Tested Applications         ELISA,WB,IF;WB:1:500-1:3000,IF:1:100-1:500           Relevance         p35 is a neuron specific activator of CDK5. The complex p35/CDK5 is required for neurite outgrowth and cortical lamination. Involved in dendrific 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 "regulates the transcriptional activity of the CLOCK-ARNTL/BMAL1 heterodimer in association with altered stability and subcellular distribution.           Form         Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCI, 0.02% sodium azide and 50% glycerol.           Purification Method         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Clonality         Polyclonal           Alias         CD5R; CD5R1; CDK5 activator 1; CDK5R; Cyclin-dependent kinase 5 activator 1 precursor           Product Type         Polyclonal Antibody           Species         Homo sapiens (Human)           Target Names         CDK5R1	Uniprot No.	Q15078
Species Reactivity         Human,Mouse,Rat           Specificity         The antibody detects endogenous levels of total CDK5R1 protein.           Tested Applications         ELISA,WB,IF;WB:1:500-1:3000,IF:1:100-1:500           Relevance         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.           Form         Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.           Purification Method         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Clonality         Polyclonal           Alias         CDSR; CDSR1; CDK5 activator 1; CDK5R; Cyclin-dependent kinase 5 activator 1 precursor           Product Type         Polyclonal Antibody           Species         Homo sapiens (Human)           Target Names         CDK5R1	Immunogen	Synthesized peptide derived from internal of Human CDK5R1.
The antibody detects endogenous levels of total CDK5R1 protein.  Tested Applications ELISA,WB,IF;WB:1:500-1:3000,IF:1:100-1:500  Relevance 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.  Tsai LH., Nature 371:419-423(1994). Patrick G.N., Nature 402:615-622(1999). Kesavapany S., J. Neurosci. 24:4421-4431(2004).  Form Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.  Purification Method The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Clonality Polyclonal  Alias CD5R; CD5R1; CDK5 activator 1; CDK5R; Cyclin-dependent kinase 5 activator 1 precursor  Product Type Polyclonal Antibody  Species Homo sapiens (Human)  Target Names CDK5R1	Raised In	Rabbit
Tested Applications  ELISA,WB,IF;WB:1:500-1:3000,IF:1:100-1:500  Relevance  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.  Tsai LH., Nature 371:419-423(1994). Patrick G.N., Nature 402:615-622(1999). Kesavapany S., J. Neurosci. 24:4421-4431(2004).  Form  Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.  Purification Method  The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Clonality  Polyclonal  Alias  CD5R; CD5R1; CDK5 activator 1; CDK5R; Cyclin-dependent kinase 5 activator 1 precursor  Product Type  Polyclonal Antibody  Species  Homo sapiens (Human)  CDK5R1	Species Reactivity	Human,Mouse,Rat
Relevance 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.  Tsai LH., Nature 371:419-423(1994). Patrick G.N., Nature 402:615-622(1999). Kesavapany S., J. Neurosci. 24:4421-4431(2004).  Form Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.  Purification Method The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Clonality Polyclonal  Alias CD5R; CD5R1; CDK5 activator 1; CDK5R; Cyclin-dependent kinase 5 activator 1 precursor  Product Type Polyclonal Antibody  Species Homo sapiens (Human)  Target Names CDK5R1	Specificity	The antibody detects endogenous levels of total CDK5R1 protein.
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The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Clonality Polyclonal  CD5R; CD5R1; CDK5 activator 1; CDK5R; Cyclin-dependent kinase 5 activator 1 precursor  Product Type Polyclonal Antibody  Species Homo sapiens (Human)  Target Names  CDK5R1  C002% sodium azide and 50% glycerol.  CDK5R glycerol.  The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  CDK5R1; CDK5R1; CDK5R; Cyclin-dependent kinase 5 activator 1 precursor  CDK5R1  CDK5R1	Relevance	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.  Tsai LH., Nature 371:419-423(1994). Patrick G.N., Nature 402:615-622(1999).
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1 precursor  Product Type Polyclonal Antibody  Species Homo sapiens (Human)  Target Names CDK5R1	Clonality	Polyclonal
Species Homo sapiens (Human)  Target Names CDK5R1	Alias	
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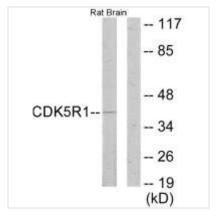


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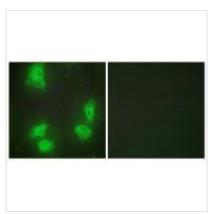








Western blot analysis of extracts from rat brain cells, using CDK5R1 antibody.



Immunofluorescence analysis of HeLa cells, using CDK5R1 antibody.