

Anti-CDK5R1/P35 Antibody

Catalog Number: A02595

About CDK5R1

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 L.-H., Nature 371:419-423(1994).

Patrick G.N., Nature 402:615-622(1999).

Kesavapany S., J. Neurosci. 24:4421-4431(2004).

Overview

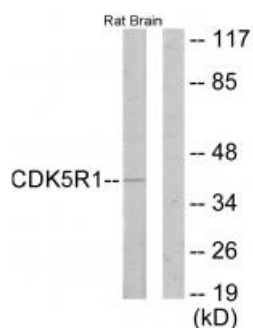
Product Name	Anti-CDK5R1/P35 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CDK5R1/P35 Antibody (Catalog # A02595). Tested in WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, WB
Clonality	Polyclonal
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q15078

Technical Details

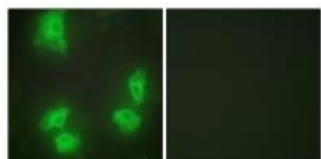
Immunogen	Synthesized peptide derived from internal of human CDK5R1.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blotting: 1:500~1:3000</p> <p>Immunofluorescence: 1:100~1:500</p>

Anti-CDK5R1/P35 Antibody (A02595) Images



Western blot analysis of extracts from rat brain cells, using CDK5R1 antibody A02595.



Immunofluorescence analysis of HeLa cells, using CDK5R1 antibody A02595.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-CDK5R1/P35 Antibody