

Anti-Phospho-PBK (T9) Antibody

Catalog Number: A02623T9

About PBK

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-Phospho-PBK (T9) Antibody
Reactive Species	Human
Description	Boster Bio Anti-Phospho-PBK (T9) Antibody catalog # A02623T9. Tested in ELISA, IHC, WB applications. This antibody reacts with Human.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
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	Q96KB5

Technical Details

Immunogen	Synthesized peptide derived from human PBK around the phosphorylation site of T9.
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

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:40000

Anti-Phospho-PBK (T9) Antibody (A02623T9) Images

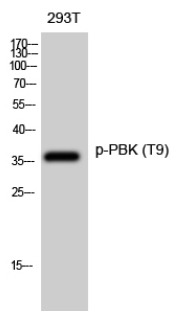


Figure 1. Western blotting validation for Anti-Phospho-PBK (T9) Antibody A02623T9

Western Blot (WB) analysis of 293T cells using Phospho-PBK (T9) polyclonal antibody. Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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