

Anti-Ras-related protein Rap-1b RAP1B Antibody

Catalog Number: A02596

About RAP1B

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-Ras-related protein Rap-1b RAP1B Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Ras-related protein Rap-1b RAP1B Antibody catalog # A02596. Tested in WB,ICC/IF applications. This antibody reacts with Human,Mouse.
Application	IF, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
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	P61224

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 and the purity is > 95% (by SDS-PAGE).

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

ICC/IF: 1:50-1:200

Anti-Ras-related protein Rap-1b RAP1B Antibody (A02596) Images

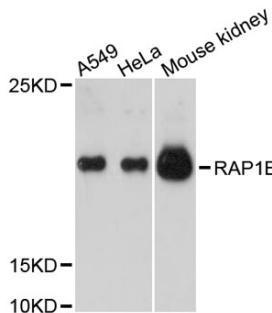


Figure 1. Western blotting validation for Anti-Ras-related protein Rap-1b RAP1B Antibody A02596

Western blot analysis of extracts of various cell lines

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