

## 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

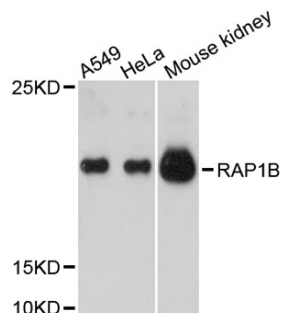


Figure 1. Western blotting validation for Anti-Ras-related protein Rap-1b RAP1B Antibody A02596

Western blot analysis of extracts of various cell lines

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