

## Anti-PPP2R1B Antibody

Catalog Number: M05756

### About PPP2R1B

The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit.

### Overview

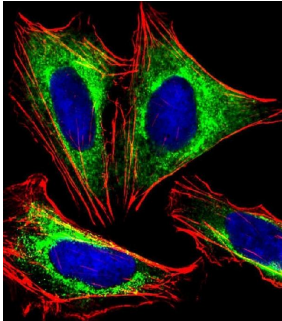
Product Name	Anti-PPP2R1B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PPP2R1B Antibody (Catalog # M05756). Tested in WB, Flow Cytometry, IHC-P, IF application(s). This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC-P, WB
Clonality	Monoclonal 1496CT356.164.25.226
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	P30154

### Technical Details

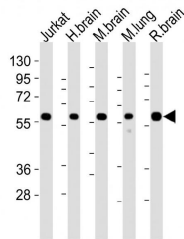
Immunogen	This PPP2R1B antibody is generated from a mouse immunized with a recombinant protein of human PPP2R1B.
Predicted Reactive Species	Mouse
Isotype	IgG1, <sup>2</sup>
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	Dilute 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: IF: 1:25 WB: 1:4000 IHC-P: 1:25

	FC: 1:25
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## Anti-PPP2R1B Antibody (M05756) Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human bone osteosarcoma cell line) cells labeling PPP2R1B with M05756 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



All lanes : Anti-PPP2R1B Antibody at 1:4000 dilution

Lane 1: Jurkat whole cell lysates

Lane 2: human brain lysates

Lane 3: mouse brain lysates

Lane 4: mouse lung lysates

Lane 5: rat brain lysates

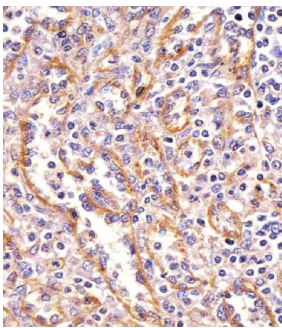
Lysates/proteins at 20 ug per lane.

Secondary

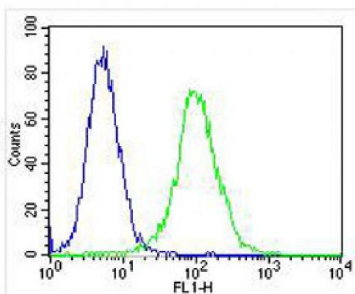
Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution

Predicted band size : 66 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.



M05756 staining PPP2R1B in human spleen sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Overlay histogram showing Jurkat cells stained with M05756 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M05756, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG1 (1g/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

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