BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# 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.

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## 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

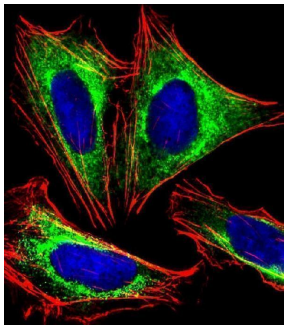
| | |
|---|---|
| Immunogen | This PPP2R1B antibody is generated from a mouse immunized with a recombinant protein of human PPP2R1B. |
| Predicted Reactive Species | Mouse |
| Isotype | IgG1,K |
| Purification | This antibody is purified through a protein G column, followed by dialysis against PBS. |
| Suggested Dilutions | IF: 1:25 |

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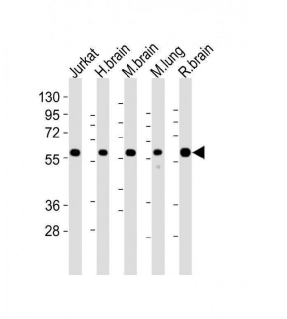
| | |
|---|---|
| | WB: 1:4000<br>IHC-P: 1:25<br>FC: 1:25 |

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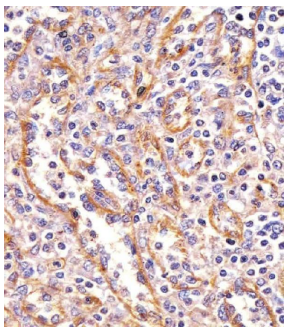
# Anti-PPP2R1B Antibody (M05756) Images



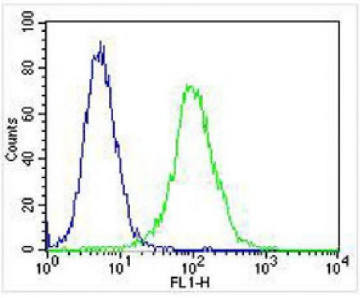
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human bone osteosarcoma cell line) cells labeling PPP2R1B with M05756 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG secondary antibody at 1/200 dilution (green). Immunofluorescence 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 dilutionLane 1: Jurkat whole cell lysatesLane 2: human brain lysatesLane 3: mouse brain lysatesLane 4: mouse lung lysatesLane 5: rat brain lysatesLysates/proteins at 20 ug per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 66 kDaBlocking/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 icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M05756, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/400 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was mouse IgG1 (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



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