

**PPP2R1B Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AW5610**

**Specification**

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**PPP2R1B Antibody - Product Information**

Application	IF, WB, IHC, FC,E
Primary Accession	<a href="#">P30154</a>
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	H=66,74,67,61,52;M=66;R=66 KDa
Isotype	IgG1,K
Antigen Source	HUMAN

**PPP2R1B Antibody - Additional Information**

**Gene ID** 5519

**Antigen Region**  
53-215

**Other Names**

Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform, PP2A subunit A isoform PR65-beta, PP2A subunit A isoform R1-beta, PPP2R1B

**Dilution**

IF~~1:25  
WB~~0.25  
IHC~~1:25  
FC~~1:25

**Target/Specificity**

This PPP2R1B antibody is generated from a mouse immunized with a recombinant protein of human PPP2R1B.

**Storage**

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.

**Precautions**

PPP2R1B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**PPP2R1B Antibody - Protein Information**

**Name** PPP2R1B

**Function**

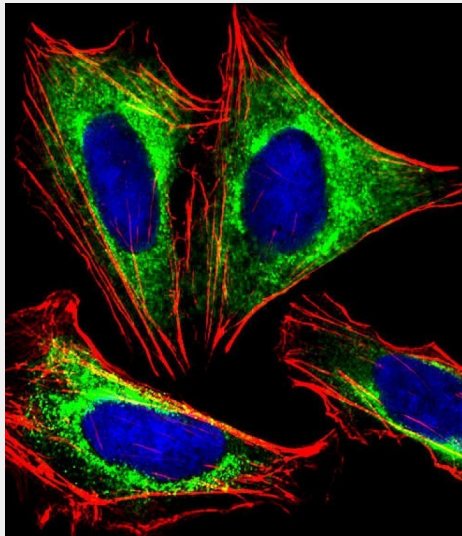
The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit.

### PPP2R1B Antibody - Protocols

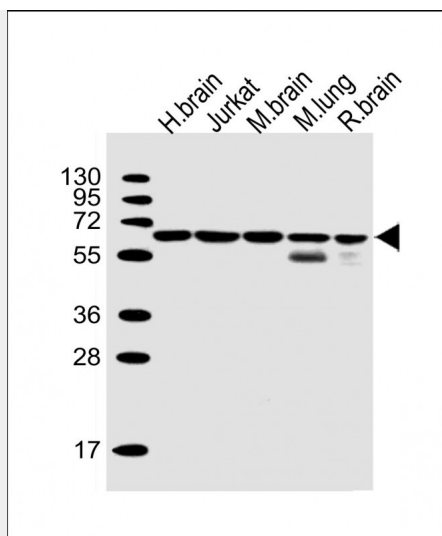
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

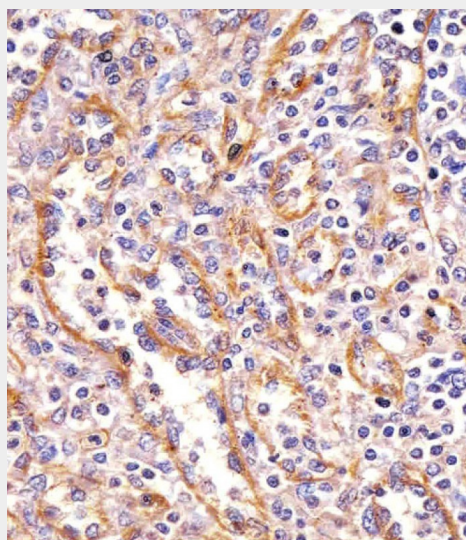
### PPP2R1B Antibody - Images



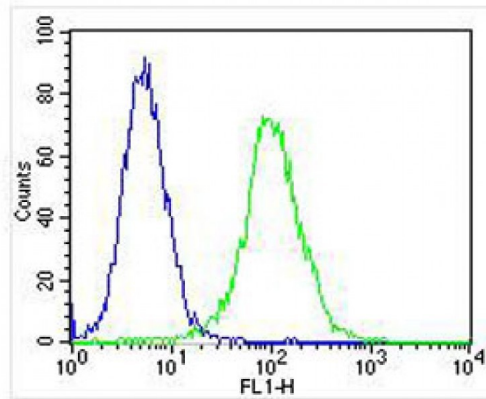
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human bone osteosarcoma cell line) cells labeling Pdx1 with AW5610 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG (NA166821) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



All lanes : Anti-PPP2R1B Antibody at 1:2000 dilution Lane 1: human brain lysate Lane 2: Jurkat whole cell lysate Lane 3: mouse brain lysate Lane 4: mouse lung lysate Lane 5: rat brain lysate Lysates/proteins at 20 µg 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.



AW5610 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 AW5610 (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 (AW5610, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(NA168821)) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG1 (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.

#### **PPP2R1B Antibody - Background**

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.

#### **PPP2R1B Antibody - References**

- Baysal B.E., et al. Gene 217:107-116(1998).
- Wang S.S., et al. Science 282:284-287(1998).
- Baysal B.E., et al. Eur. J. Hum. Genet. 9:121-129(2001).
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Taylor T.D., et al. Nature 440:497-500(2006).