

**PPP2R2B Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8600c****Specification**

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**PPP2R2B Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q00005](#)**PPP2R2B Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 5521**Other Names**

Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform, PP2A subunit B isoform B55-beta, PP2A subunit B isoform PR55-beta, PP2A subunit B isoform R2-beta, PP2A subunit B isoform beta, PPP2R2B

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8600c](/products/AP8600c) was selected from the Center region of human PPP2R2B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PPP2R2B Antibody (Center) Blocking Peptide - Protein Information****Name** PPP2R2B**Function**

The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. Within the PP2A holoenzyme complex, isoform 2 is required to promote proapoptotic activity (By similarity). Isoform 2 regulates neuronal survival through the mitochondrial fission and fusion balance (By similarity).

**Cellular Location**

[Isoform 1]: Cytoplasm. Cytoplasm, cytoskeleton. Membrane

**Tissue Location**

Brain.

### **PPP2R2B Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **PPP2R2B Antibody (Center) Blocking Peptide - Images**

### **PPP2R2B Antibody (Center) Blocking Peptide - Background**

PPP2R2B belongs to the phosphatase 2 regulatory subunit B family. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This protein is a beta isoform of the regulatory subunit B55 subfamily.

### **PPP2R2B Antibody (Center) Blocking Peptide - References**

Rajkiewicz,M., et.al., Neurol. Neurochir. Pol. 42 (6), 497-504 (2008)Ben-Israel,H., et.al., J. Virol. 82 (19), 9381-9388 (2008)Strack,S., et.al., J. Comp. Neurol. 392 (4), 515-527 (1998)