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# PPM1B Antibody (Center L76) Blocking Peptide

**Synthetic peptide**
**Catalog # BP8467a**

## Specification

### PPM1B Antibody (Center L76) Blocking Peptide - Product Information

Primary Accession O75688

### PPM1B Antibody (Center L76) Blocking Peptide - Additional Information

**Gene ID** 5495

**Other Names**
Protein phosphatase 1B, Protein phosphatase 2C isoform beta, PP2C-beta, PPM1B, PP2CB

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/product/products/AP8467a>AP8467a</a> was selected from the Center region of human PPM1B. 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.

### PPM1B Antibody (Center L76) Blocking Peptide - Protein Information

**Name** PPM1B

**Synonyms** PP2CB

**Function**
Enzyme with a broad specificity. Dephosphorylates CDK2 and CDK6 in vitro. Dephosphorylates PRKAA1 and PRKAA2. Inhibits TBK1- mediated antiviral signaling by dephosphorylating it at 'Ser-172'. Plays an important role in the termination of TNF-alpha-mediated NF- kappa-B activation through dephosphorylating and inactivating IKBKB/IKKB.

**Cellular Location**
Cytoplasm, cytosol. Membrane {ECO:0000250|UniProtKB:P36993}; Lipid-anchor {ECO:0000250|UniProtKB:P36993}. Note=Weakly associates at the membrane and N-myristoylation mediates the membrane localization {ECO:0000250|UniProtKB:P36993}

**Tissue Location**
Highly expressed in heart and skeletal muscle.

## PPM1B Antibody (Center L76) Blocking Peptide - Protocols

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

- Blocking Peptides

## PPM1B Antibody (Center L76) Blocking Peptide - Images

## PPM1B Antibody (Center L76) Blocking Peptide - Background

PPM1B is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase has been shown to dephosphorylate cyclin-dependent kinases (CDKs), and thus may be involved in cell cycle control. Overexpression of this phosphatase is reported to cause cell-growth arrest or cell death.

## PPM1B Antibody (Center L76) Blocking Peptide - References

Parvari, R., et al., Genomics 86(2):195-211 (2005).Prajapati, S., et al., J. Biol. Chem. 279(3):1739-1746 (2004).Seroussi, E., et al., J. Mol. Biol. 312(3):439-451 (2001).Hanada, M., et al., J. Biol. Chem. 276(8):5753-5759 (2001).Cheng, A., et al., J. Biol. Chem. 275(44):34744-34749 (2000).