

**PPP3CB Antibody (N-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP8464a**Specification****PPP3CB Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P16298](#)**PPP3CB Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 5532

**Other Names**

Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform, CAM-PRP catalytic subunit, Calmodulin-dependent calcineurin A subunit beta isoform, PPP3CB, CALNA2, CALNB, CNA2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8464a](#) was selected from the N-term region of human PPP3CB. 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.

**PPP3CB Antibody (N-term) Blocking Peptide - Protein Information****PPP3CB Antibody (N-term) Blocking Peptide - Background**

PPP3CB is a calcium-dependent, calmodulin-stimulated protein phosphatase. This subunit may have a role in the calmodulin activation of calcineurin.

**PPP3CB Antibody (N-term) Blocking Peptide - References**

Katanosaka, Y., et al., J. Biol. Chem. 280(7):5764-5772 (2005). Bell, O., et al., Mol. Endocrinol. 19(2):516-526 (2005). Bennasser, Y., et al., Virology 303(1):174-180 (2002). Kissinger, C.R., et al., Nature 378(6557):641-644 (1995). Muramatsu, T., et al., Biochim. Biophys. Acta 1178(1):117-120 (1993).

**Name** PPP3CB

**Synonyms** CALNA2, CALNB, CNA2

**Function**

Calcium-dependent, calmodulin-stimulated protein phosphatase which plays an essential role in the transduction of intracellular Ca(2+)-mediated signals (PubMed:<a href="http://www.uniprot.org/citations/19154138"

target="\_blank">19154138</a>, PubMed:<a href="http://www.uniprot.org/citations/26794871" target="\_blank">26794871</a>).

Dephosphorylates and activates transcription factor NFATC1 (PubMed:<a href="http://www.uniprot.org/citations/19154138" target="\_blank">19154138</a>).

Dephosphorylates and inactivates transcription factor ELK1 (PubMed:<a href="http://www.uniprot.org/citations/19154138" target="\_blank">19154138</a>).

Dephosphorylates DARPP32 (PubMed:<a href="http://www.uniprot.org/citations/19154138" target="\_blank">19154138</a>).

**Cellular Location**

Cytoplasm.

**PPP3CB Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)