

**CSNK2B Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7075a****Specification****CSNK2B Antibody (N-term) Blocking Peptide -  
Product Information**Primary Accession [P67870](#)**CSNK2B Antibody (N-term) Blocking Peptide -  
Additional Information****Gene ID** 1460**Other Names**Casein kinase II subunit beta, CK II beta,  
Phosvitin, Protein G5a, CSNK2B, CK2N, G5A**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7075a](/product/products/AP7075a) was selected from the N-term region of human CSNK2B. 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.

**CSNK2B Antibody (N-term) Blocking Peptide -  
Protein Information****Name** CSNK2B**Synonyms** CK2N, G5A**CSNK2B Antibody (N-term) Blocking  
Peptide - Background**

The beta subunit of casein kinase II is a ubiquitous protein kinase which regulates metabolic pathways, signal transduction, transcription, translation, and replication. The enzyme is composed of three subunits, alpha, alpha prime and beta, which form a tetrameric holoenzyme. The alpha and alpha prime subunits are catalytic, while the beta subunit serves regulatory functions. The enzyme localizes to the endoplasmic reticulum and the Golgi apparatus.

**CSNK2B Antibody (N-term) Blocking  
Peptide - References**

Schwartz, E.I., et al., Mol. Cell. Biol. 24(21):9580-9591 (2004). Lee, G., et al., J. Biol. Chem. 279(8):6834-6839 (2004). Lim, A.C., et al., J. Biol. Chem. 279(6):4433-4439 (2004). Singh, D.K., et al., Virology 313(2):435-451 (2003). Kim, Y.S., et al., J. Biol. Chem. 278(31):28462-28469 (2003).

**Function**

Regulatory subunit of casein kinase II/CK2.  
As part of the kinase complex regulates the basal catalytic activity of the alpha subunit a constitutively active serine/threonine-protein kinase that phosphorylates a large number of substrates containing acidic residues C-terminal to the phosphorylated serine or threonine (PubMed:<a href="http://www.uniprot.org/citations/11239457" target="\_blank">11239457</a>, PubMed:<a href="http://www.uniprot.org/citations/16818610" target="\_blank">16818610</a>). Participates in Wnt signaling (By similarity).

**CSNK2B Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)