

### CSNK2B Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP7075b

#### **Specification**

CSNK2B Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P67870

CSNK2B Antibody (C-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 <a href=/product/pr oducts/AP7075b>AP7075b</a> was selected from the C-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 (C-term) Blocking Peptide - Protein Information

Name CSNK2B

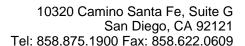
Synonyms CK2N, G5A

# CSNK2B Antibody (C-term) Blocking Peptide - Background

Phosvitin/casein kinase type II (CKII) is a ubiquitous, highly conserved enzyme consisting of subunits alpha, alpha-prime, and beta. It is a ubiquitous messenger-independent serine/threonine kinase, localized in both the cytoplasm and the nucleus. The beta subunit presumably serves regulatory functions. CKII has been shown to be involved in a potential mechanism for p53 activation by UV irradiation.

# CSNK2B Antibody (C-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" 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 (C-term) Blocking Peptide - Protocols

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

• Blocking Peptides