

CSNK2B Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7075b**Specification**

CSNK2B Antibody (C-term) Blocking Peptide - Product InformationPrimary 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 [AP7075b](/product/products/AP7075b) 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 ([HGNC:2460](#))**Synonyms** CK2N, G5A**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: [11239457](http://www.uniprot.org/citations/11239457), PubMed: [16818610](http://www.uniprot.org/citations/16818610)). Participates in Wnt signaling (By similarity).

Cellular Location

Nucleus.

CSNK2B Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CSNK2B Antibody (C-term) Blocking Peptide - Images

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).