

CSNK2B Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7075a**Specification**

CSNK2B Antibody (N-term) Blocking Peptide - Product InformationPrimary 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 ([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 (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CSNK2B Antibody (N-term) Blocking Peptide - Images

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).