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# CSNK2B Antibody (C-term F168)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7075e

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | P67870 |
| **Other Accession** | P28021, P67874, P67873, P67872, P67871, Q91398, P67869, P67868 |
| **Reactivity** | Human |
| **Predicted** | Bovine, Chicken, Zebrafish, Mouse, Pig, Rabbit, Rat, Xenopus, Canine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB9717 |
| **Calculated MW** | 24942 |
| **Antigen Region** | 153-184 |

## Additional Information

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| **Gene ID** | 1460 |
| **Other Names** | Casein kinase II subunit beta, CK II beta, Phosvitin, Protein G5a, CSNK2B, CK2N, G5A |
| **Target/Specificity** | This CSNK2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 153-184 amino acids from the C-terminal region of human CSNK2B. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | CSNK2B Antibody (C-term F168) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | CSNK2B ( HGNC:2460) |
| **Synonyms** | CK2N, G5A |

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| **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, PubMed:16818610). Participates in Wnt signaling (By similarity). |
| **Cellular Location** | Nucleus. |

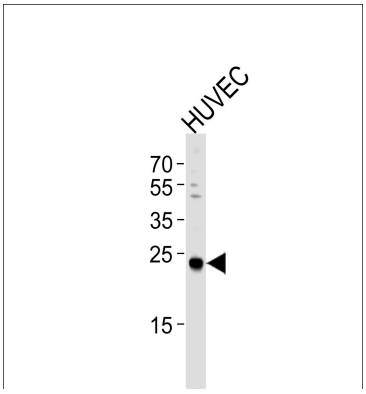
## Background

CSNK2B is the beta subunit of casein kinase II, 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.

## 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).
Szebeni, A., et al., J. Biol. Chem. 278(11):9107-9115 (2003).


## Images




Western blot analysis of lysate from HUVEC cell line, using CSNK2B Antibody(Cat. #AP7075e). AP7075e was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.


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