10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CSNK2B Antibody (C-term F168)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7075e

Product Information

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
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB9717
Calculated MW	24942
Antigen Region	153-184

Additional Information

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

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

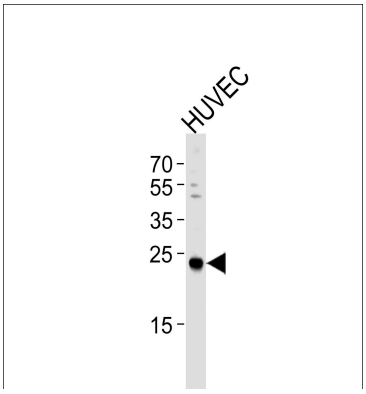
Background

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.