



# Casein Kinase II $\beta$ rabbit pAb

Cat No.:ES1846

For research use only

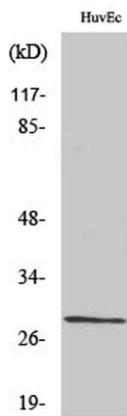
## Overview

<b>Product Name</b>	Casein Kinase II $\beta$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CKII-beta. AA range:166-215
<b>Specificity</b>	Casein Kinase II $\beta$ Polyclonal Antibody detects endogenous levels of Casein Kinase II $\beta$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Casein kinase II subunit beta
<b>Gene Name</b>	CSNK2B
<b>Cellular localization</b>	nucleus,nucleoplasm,cytoplasm,cytosol,plasma membrane,protein kinase CK2 complex,PcG protein complex,extracellular exosome,
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	25kD
<b>Human Gene ID</b>	1460
<b>Human Swiss-Prot Number</b>	P67870
<b>Alternative Names</b>	CSNK2B; CK2N; G5A; Casein kinase II subunit beta; CK II beta; Phosvitin; Protein G5a
<b>Background</b>	This gene encodes the beta subunit of casein kinase II, a ubiquitous protein kinase which regulates metabolic pathways, signal transduction,



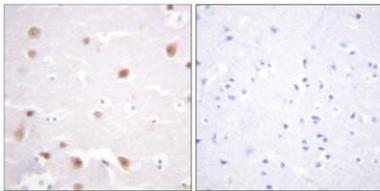


transcription, translation, and replication. The enzyme is composed of three subunits, alpha, alpha prime and beta, which form a tetrameric holoenzyme. The alpha and alpha prime subunits are catalytic, while the beta subunit serves regulatory functions. The enzyme localizes to the endoplasmic reticulum and the Golgi apparatus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013],



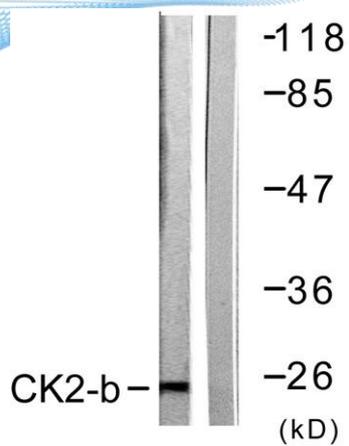
Western Blot analysis of various cells using Casein Kinase II $\beta$  Polyclonal Antibody

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CKII-beta Antibody. The picture on the right is blocked with the synthesized peptide.





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Western blot analysis of lysates from HUVEC cells, using CKII-beta Antibody. The lane on the right is blocked with the synthesized peptide.



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