

Anti-CK2 beta Antibody

Catalog # AP95786

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P67870
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	24942

Additional Information

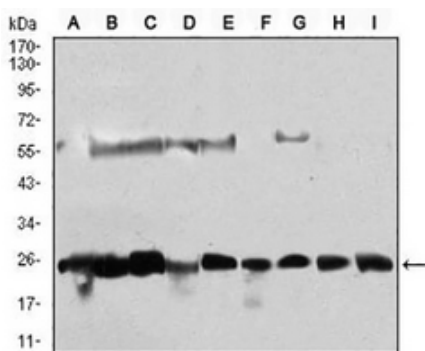
Gene ID	1460
Other Names	CK2N; G5A; Casein kinase II subunit beta; CK II beta; Phosvitin; Protein G5a
Target/Specificity	Recombinant fusion protein of human CK2 beta expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

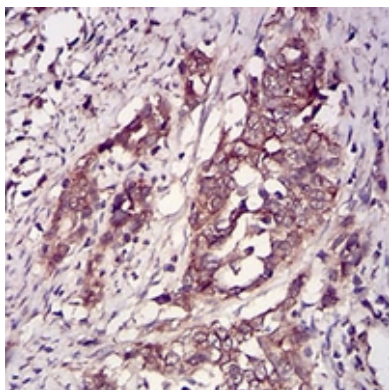
Name	CSNK2B (HGNC:2460)
Synonyms	CK2N, G5A
Function	Regulatory subunit of casein kinase II/CK2. As part of the kinase complex regulates the basal catalytic activity of the alpha subunit a constitutively active serine/threonine-protein kinase that phosphorylates a large number of substrates containing acidic residues C-terminal to the phosphorylated serine or threonine (PubMed: 11239457 , PubMed: 16818610). Participates in Wnt signaling (By similarity).
Cellular Location	Nucleus.

Images

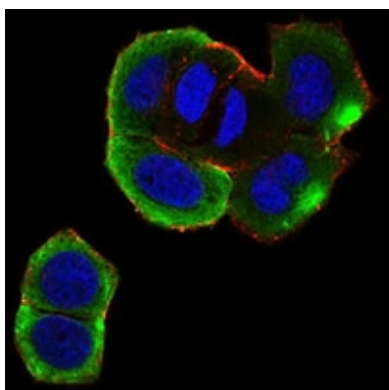
Western blot analysis of CK2 beta expression in Hela (A), Jurkat (B), K562 (C), HepG2 (D), C6 (E), SKNSH (F), NTERA2



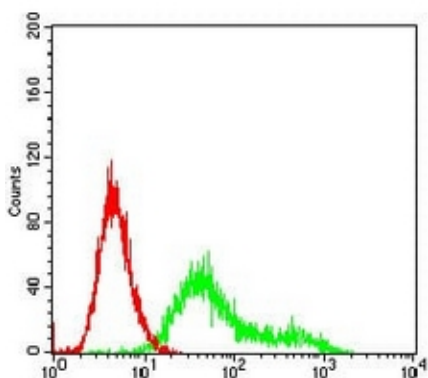
(G), MCF7 (H), NIH/3T3 (I) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 25 kD)



Immunohistochemical analysis of CK2 beta staining in human cervical cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CK2 beta staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-CK2 beta Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.