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Anti-CK2 beta Antibody [KO/KD Validated]

Catalog # AP51119

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P67870
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Chicken, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
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	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CK2 beta. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, 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

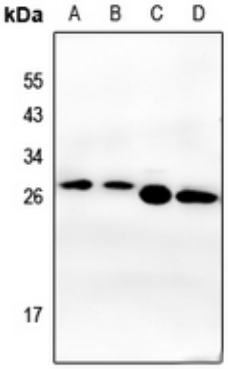
Name	CSNK2B (HGNC:2460)
Synonyms	CK2N, G5A
Function	Regulatory subunit of casein kinase II/CK2. As part of the kinase complex regulates the basal catalytic activity of the alpha subunit a constitutively active serine/threonine-protein kinase that phosphorylates a large number of substrates containing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

References

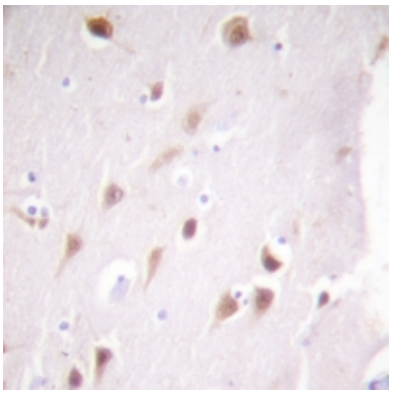
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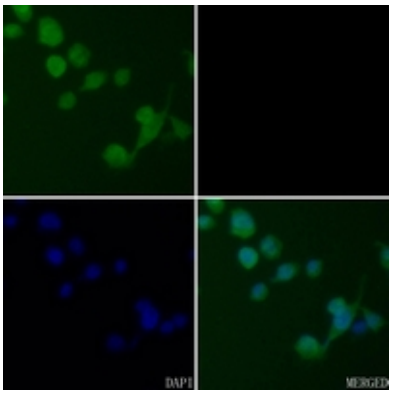
Images



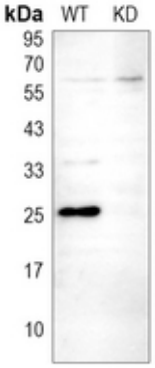
Western blot analysis of CK2 beta expression in HEK293T (A), A2780 (B), 3T3L1 (C), Hela (D) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 28 kD)



Immunohistochemical analysis of CK2 beta staining in human brain 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 BV2 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 hidified chamber. Cells were washed with PBST and incubated with a 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).



Western blot analysis of CK2 beta expression in wild type (WT) and knockdown (KD) HeLa cell lysates.

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