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Casein Kinase 2 beta Rabbit mAb

Catalog # AP76420

Product Information

Application	WB, IHC-P, FC
Primary Accession	P67870
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	24942

Additional Information

Gene ID	1460
Other Names	CSNK2B
Dilution	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

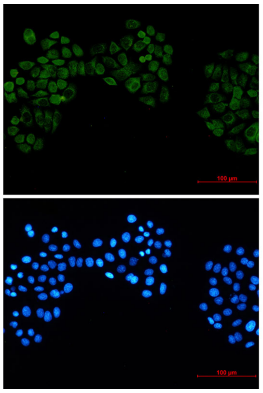
Name	CSNK2B (HGNC:2460)
Synonyms	CK2N, G5A
Function	Regulatory subunit of casein kinase II/CK2. As part of the kinase complex regulates the basal catalytic activity of the alpha subunit a constitutively active serine/threonine-protein kinase that phosphorylates a large number of substrates containing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

Background

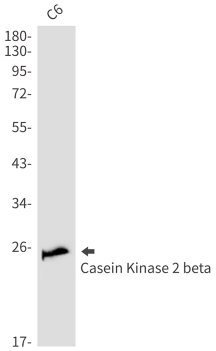
CK2 (formerly called Casein Kinase II) is a highly conserved protein kinase with more than 300 substrates

regulating cell growth, cell death, and cell survival. CK2 has been implicated in the response to UV irradiation-induced DNA damage, targeting XRCC1 and BRCA1 as well as regulating p53 tumor suppressor protein functions.Furthermore, CK2 plays a key role in NF-κB activation.

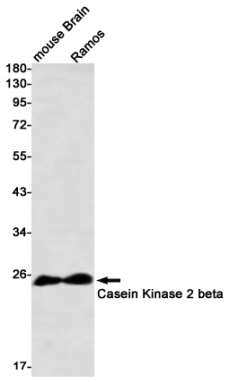
Images



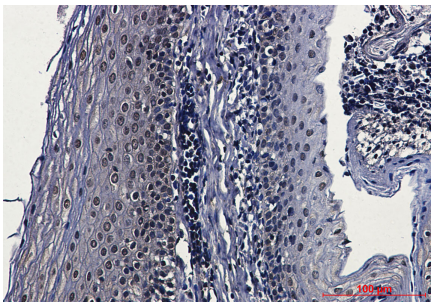
Immunocytochemistry analysis of Casein Kinase 2 beta (green) in Hela using Casein Kinase 2 beta antibody,and DAPI(blue).



Western blot analysis of Casein Kinase 2 beta in C6 lysates using Casein Kinase 2 beta antibody.



Western blot analysis of Casein Kinase 2 beta in mouse Brain, Ramos lysates using Casein Kinase 2 beta antibody



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Casein Kinase 2 beta antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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