
Product Name: KD-Validated Casein Kinase 2 Beta Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01553**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 24.9kDa

Antigen Information

Gene Name	CSNK2B CSNK2B; Casein Kinase 2 Beta; Casein Kinase 2, Beta Polypeptide; Casein Kinase II Subunit Beta; Protein G5a; CK II Beta; Phosvitin; Ckb1; Ckb2; CK2N; G5A; Alternative Name: G5a,
Alternative Names	Phosvitin; Casein Kinase II Beta Subunit; CSNK2B-LY6G5B-1072; CSNK2B-LY6G5B-1103; CSNK2B-LY6G5B-532; CSNK2B-LY6G5B-560; CSNK2B-LY6G5B-562; POBINDS; CSK2B; CK2B; CKB1; CKB2
Gene ID	1460.0
SwissProt ID	P67870
Immunogen	A synthesized peptide derived from human Casein Kinase 2 beta

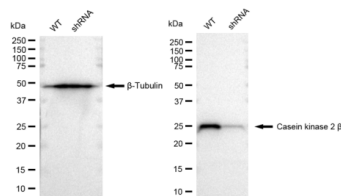
Background

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]

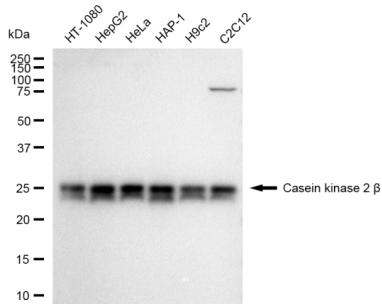
Research Area

Cell Biology, Stem Cells, Neuroscience

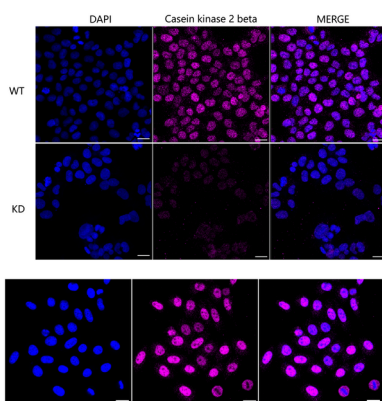
Image Data



Western blotting analysis using Casein kinase 2 beta antibody (KVAb01553). Casein kinase 2 beta expression in wild type (WT) and Casein kinase 2 beta shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Casein kinase 2 beta antibody (KVAb01553, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Casein kinase 2 beta antibody (KVAb01553). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Casein kinase 2 beta antibody (KVAb01553, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using Casein kinase 2 beta antibody (KVAb01553, 1:1,000), Top panel: wild-type (WT); Bottom panel: Casein kinase 2 beta shRNA knockdown (KD). Nuclei were stained blue with DAPI; Casein kinase 2 beta was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m.

Immunocytochemical staining of HepG2 cells with Casein kinase 2 beta antibody (KVAb01553, 1:1,000). Nuclei were stained blue with DAPI; Casein kinase 2 beta was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.