

# Casein Kinase 2 beta (CSNK2B) Rabbit mAb

Catalog No.: A4519 **Recombinant** **1 Publications**

## Basic Information

### Observed MW

25kDa

### Calculated MW

25kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC1069

## 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.

## Recommended Dilutions

**WB** 1:500 - 1:1000**IF/ICC** 1:50 - 1:200**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

1460

### Swiss Prot

P67870

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

G5A; CK2B; CK2N; Ckb1; Ckb2; CSK2B; POBINDS; Casein Kinase 2 beta (CSNK2B)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

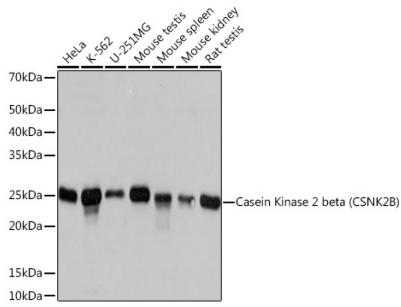
Affinity purification

### Storage

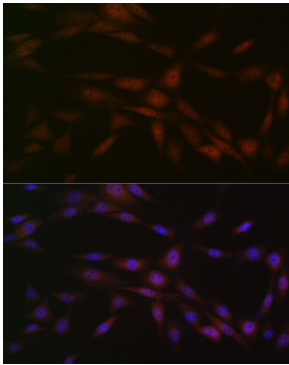
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

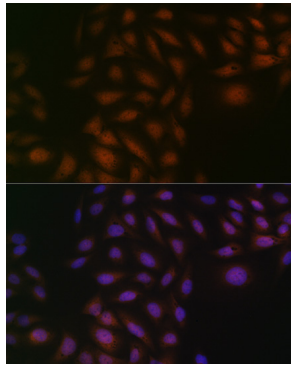
## Validation Data



Western blot analysis of various lysates using Casein Kinase 2 beta (CSNK2B) Rabbit mAb (A4519) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3s.



Immunofluorescence analysis of NIH-3T3 cells using Casein Kinase 2 beta (CSNK2B) (CSNK2B) Rabbit mAb (A4519) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Casein Kinase 2 beta (CSNK2B) (CSNK2B) Rabbit mAb (A4519) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.