

# CSNK2B Monoclonal antibody

Catalog Number: 67866-1-Ig

Featured Product

## Basic Information

## Catalog Number:

67866-1-Ig

## Size:

1000 µg/ml

## Source:

Mouse

## Isotype:

IgG1

## Immunogen Catalog Number:

AG19180

## GenBank Accession Number:

BC112017

## GeneID (NCBI):

1460

## UNIPROT ID:

P67870

## Full Name:

casein kinase 2, beta polypeptide

## Calculated MW:

215 aa, 25 kDa

## Observed MW:

27 kDa

## Purification Method:

Protein G purification

## CloneNo.:

1B5A6

## Recommended Dilutions:

WB 1:5000-1:20000

IHC 1:500-1:2000

IF/ICC 1:200-1:800

## Applications

## Tested Applications:

IF/ICC, IHC, WB, ELISA

## Species Specificity:

Human, mouse, rat, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

**WB:** A549 cells, MCF-7 cells, LNCaP cells, HeLa cells, Jurkat cells, pig brain tissue, rat brain tissue, mouse brain tissue

**IHC:** human breast cancer tissue, human colon cancer tissue

**IF/ICC:** HeLa cells,

## Background Information

CSNK2B is 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. It participates in Wnt signaling, and plays a complex role in regulating the basal catalytic activity of the alpha subunit.

## Storage

## Storage:

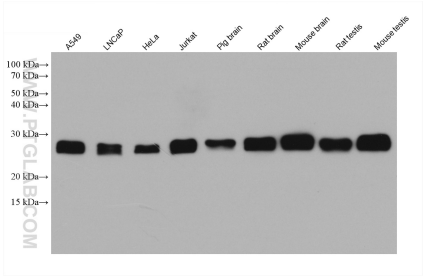
Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

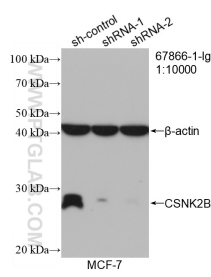
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

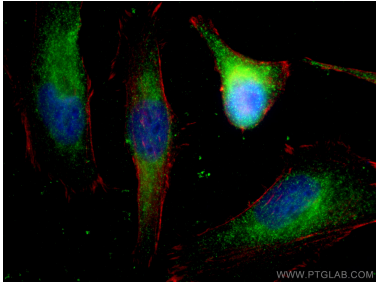
Selected Validation Data



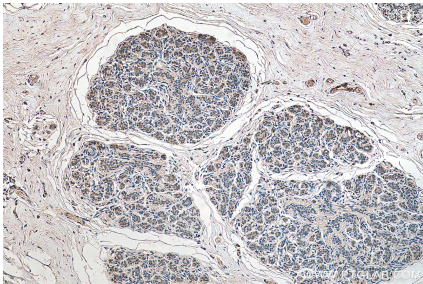
Various lysates were subjected to SDS PAGE followed by western blot with 67866-1-Ig (CSNK2B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



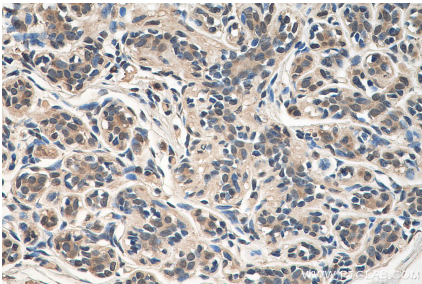
WB result of CSNK2B antibody (67866-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CSNK2B transfected MCF-7 cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CSNK2B antibody (67866-1-Ig, Clone: 1B5A6 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67866-1-Ig (CSNK2B antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67866-1-Ig (CSNK2B antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).