

For Research Use Only

CSNK2B Monoclonal antibody

Catalog Number: 67866-1-Ig

Featured Product



Basic Information

| | | |
|---|--|--|
| Catalog Number: 67866-1-Ig | GenBank Accession Number: BC112017 | Purification Method: Protein G purification |
| Size: 150ul, Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 1460 | CloneNo.: 1B5A6 |
| Source: Mouse | UNIPROT ID: P67870 | Recommended Dilutions: WB 1:5000-1:20000 IHC 1:500-1:2000 IF/ICC 1:200-1:800 |
| Isotype: IgG1 | Full Name: casein kinase 2, beta polypeptide | |
| Immunogen Catalog Number: AG19180 | Calculated MW: 215 aa, 25 kDa | |
| | Observed MW: 27 kDa | |

Applications

Tested Applications:
WB, IHC, IF/ICC, 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

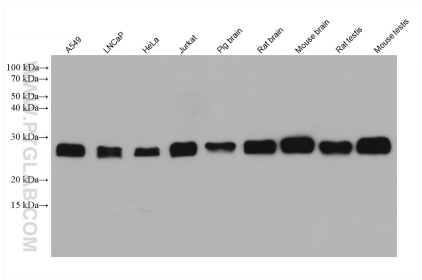
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

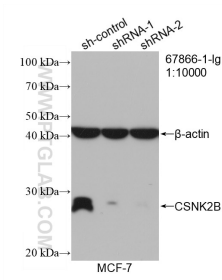
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

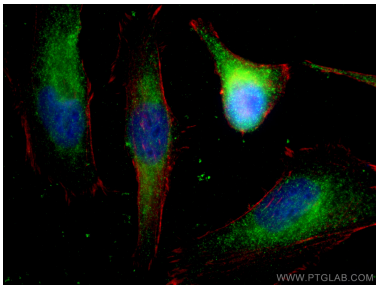
Selected Validation Data



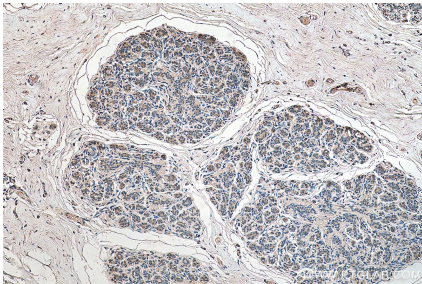
Various lysates were subjected to SDS PAGE followed by western blot with 67866-1-Ig (CSNK2B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



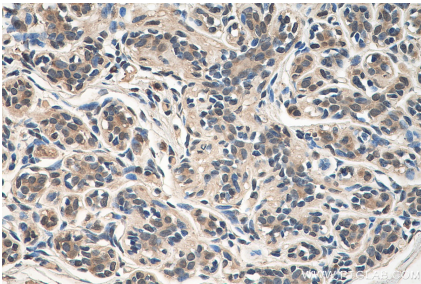
WB result of CSNK2B antibody (67866-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CSNK2B transfected MCF-7 cells.



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 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).