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**Product Name: CSNK2B Mouse Monoclonal Antibody****Catalog #: AMM81380**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	25kDa

**Antigen Information**

<b>Gene Name</b>	CSNK2B
<b>Alternative Names</b>	G5A; CK2B; CK2N; CSK2B
<b>Gene ID</b>	1460.0
<b>SwissProt ID</b>	P67870
<b>Immunogen</b>	Purified recombinant fragment of human CSNK2B (AA: FULL(1-215)) expressed in E. Coli.

**Background**

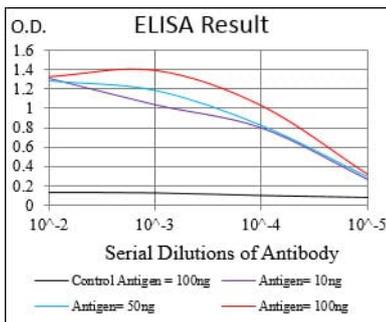
This gene encodes the beta subunit of casein kinase II, a ubiquitous protein kinase which regulates metabolic pathways, signal transduction, transcription, translation, and replication. The enzyme is composed of three subunits, alpha, alpha prime and beta, which form a tetrameric holoenzyme. The alpha 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.

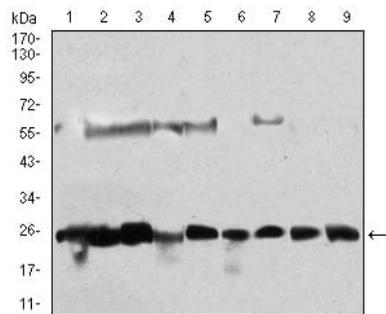
## Research Area

Wnt signaling pathway

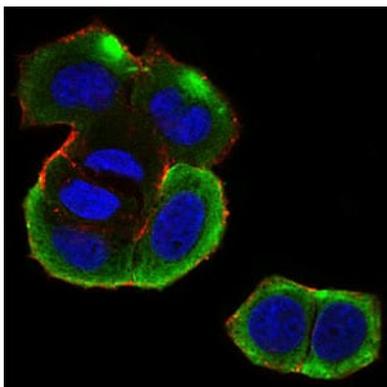
## Image Data



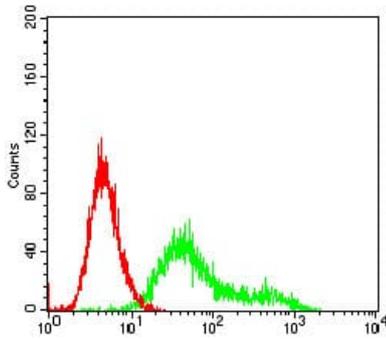
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



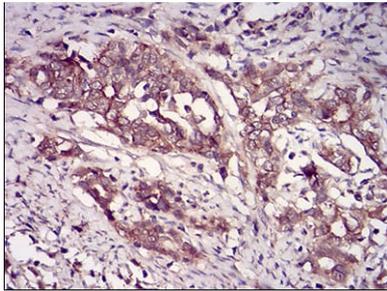
Western blot analysis using CSNK2B mouse mAb against Hela (1), Jurkat (2), K562 (3), HepG2 (4), C6 (5), SK-N-SH (6), NTERA-2 (7), MCF-7 (8), NIH/3T3 (9) cell lysate.



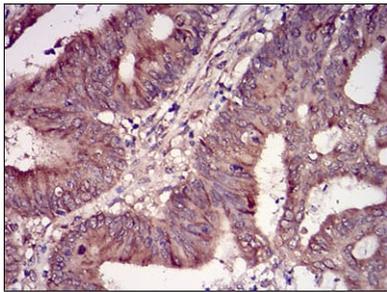
Immunofluorescence analysis of MCF-7 cells using CSNK2B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of Hela cells using CSNK2B mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using CSNK2B mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using CSNK2B mouse mAb with DAB staining.