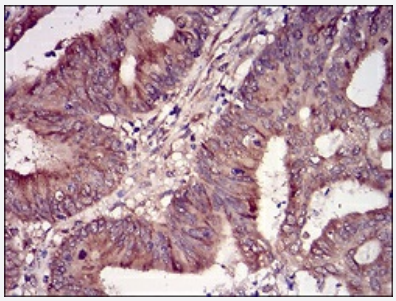
CSNK2B monoclonal antibody, clone 2F12F3

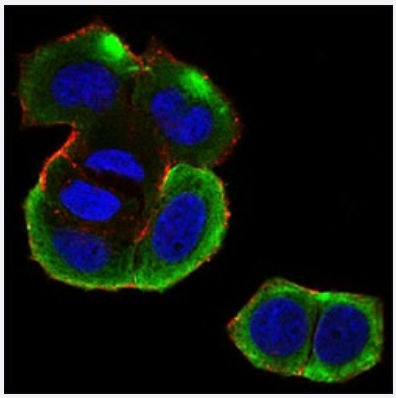
Catalog # MAB16612 Size 100 ug

Applications



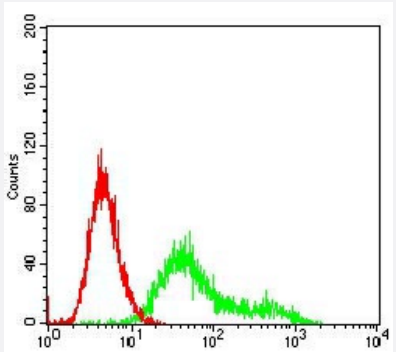
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded colon cancer tissues with CSNK2B monoclonal antibody.



Immunocytochemistry

Immunocytochemical staining of MCF-7 cells with CSNK2B monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



Flow Cytometry

Flow cytometric analysis of Hela cells with CSNK2B monoclonal antibody (green) and negative control (red).

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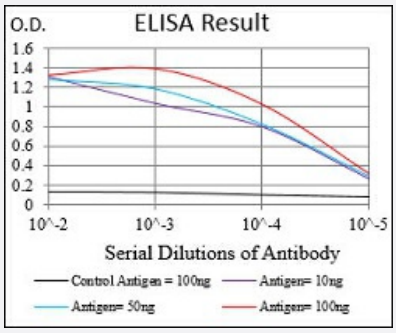
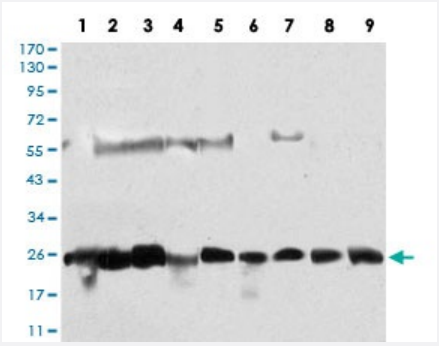


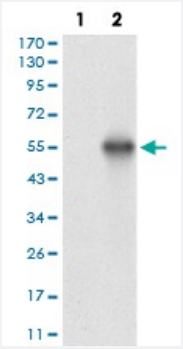
Enzyme-linked Immunoabsorbent Assay

ELISA analysis of CSNK2B monoclonal antibody, clone 2F12F3.



Western Blot (Cell lysate)

Western blot analysis of Lane 1: Hela cell; Lane 2: Jurkat cell; Lane 3: K562 cell; Lane 4: HepG2 cell; Lane 5: C6 cell; Lane 6: SK-N-SH cell; Lane 7: NTERA-2 cell; Lane 8: MCF-7 cell; Lane 9: NIH/3T3 cell with CSNK2B monoclonal antibody.



Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: CSNK2B-hIgGFc transfected HEK293 cell with CSNK2B monoclonal antibody.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human CSNK2B.
Immunogen	Recombinant protein corresponding to amino acid 1-215 of human CSNK2B from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	25
Reactivity	Human
Form	Liquid
Isotype	IgG1

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Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry (1:200-1:1000) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- ### Immunocytochemistry

  Immunocytochemical staining of MCF-7 cells with CSNK2B monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).

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  Flow cytometric analysis of Hela cells with CSNK2B monoclonal antibody (green) and negative control (red).

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  ELISA analysis of CSNK2B monoclonal antibody, clone 2F12F3.

- ### Western Blot (Cell lysate)

  Western blot analysis of Lane 1: Hela cell; Lane 2: Jurkat cell; Lane 3: K562 cell; Lane 4: HepG2 cell; Lane 5: C6 cell; Lane 6: SK-N-SH cell; Lane 7: NTERA-2 cell; Lane 8: MCF-7 cell; Lane 9: NIH/3T3 cell with CSNK2B monoclonal antibody.

- ### Western Blot (Transfected lysate)

  Western blot analysis of Lane 1: HEK293 cell; Lane 2: CSNK2B-hIgGFc transfected HEK293 cell with CSNK2B monoclonal antibody.

Gene Info — CSNK2B

Entrez GeneID	1460

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Gene Name	CSNK2B
Gene Alias	CK2B, CK2N, CSK2B, G5A, MGC138222, MGC138224
Gene Description	casein kinase 2, beta polypeptide
Omim ID	115441
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	Casein kinase II beta subunit|OTTHUMP00000029060|OTTHUMP00000029063|OTTHUMP00000029064|alternative name: G5a, phosvitin|phosvitin

Pathway

- Adherens junction
- Tight junction
- Wnt signaling pathway

Disease

- Arthritis
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Osteoarthritis

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