



### A Reliable Research Partner in Life Science and Medicine

# **Recombinant CSNK2A1 Monoclonal Antibody**

catalog number: AN301754L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Human; Rat;

Immunogen Recombinant human CSNK2A1 fragment

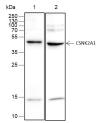
HostRabbitIsotypeIgG,  $\kappa$ CloneA462

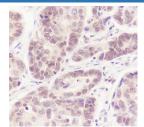
Purification Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

# Applications Recommended Dilution WB 1:500-1:2000 IHC 1:50-1:100 IF 1:100-1:200

### Data

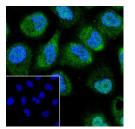




Western Blot with CSNK2A1 Monoclonal Antibody at dilution Immunohistochemistry of paraffin-embedded Human breast of 1:2000. Lane 1: Jurkat, Lane 2: C6 cancer using CSNK2A1 Monoclonal Antibody at dilution of Observed-MW:45 kDa 1:100.

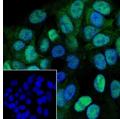
Observed-MW:45 kDa Calculated-MW:45 kDa





Immunohistochemistry of paraffin-embedded Human cerebrum using CSNK2A1 Monoclonal Antibody at dilution of 1:100.

Immunofluorescent analysis of (4% Paraformaldehyde) fixed A549 cells using anti-CSNK2A1 Monoclonal Antibody at dilution of 1:200.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HepG2 cells using anti-CSNK2A1 Monoclonal Antibody at dilution of 1:200.

# For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com



## **Elabscience Bionovation Inc.**

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# **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

# **Background**

Casein kinase II subunit alpha (CSNK2A1) is a catalytic subunit of a constitutively active serine/threonine-protein kinase complex that phosphorylates a large number of substrates containing acidic residues C-terminal to the phosphorylated serine or threonine. CSNK2A1 regulates numerous cellular processes, such as cell cycle progression, apoptosis and transcription, as well as viral infection. During mitosis, CSNK2A1 functions as a component of the p53/TP53-dependent spindle assembly checkpoint (SAC) that maintains cyclin-B-CDK1 activity and G2 arrest in response to spindle damage.

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