

Datasheet for ABIN514706

## anti-CSNK2A1/CK II alpha antibody (AA 1-100)



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6 Images

1 Publication

### Overview

Quantity:	100 µg
Target:	CSNK2A1/CK II alpha (CSNK2A1)
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CSNK2A1/CK II alpha antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Proximity Ligation Assay (PLA)

### Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant CSNK2A1.
Immunogen:	CSNK2A1 (AAH11668, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MSGPVPSPRAR VYTDVNTHRP REYWDYESHV VEWGNQDDYQ LVRKLGGRGKY SEVFEAINIT NNEKVVVKIL KPVKKKKIKR EIKILENLRG GPNIITLADI
Clone:	3D9
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

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Target:	CSNK2A1/CK II alpha (CSNK2A1)
Alternative Name:	CSNK2A1 ( <a href="#">CSNK2A1 Products</a> )
Background:	Full Gene Name: casein kinase 2, alpha 1 polypeptide Synonyms: CK2A1,CKII
Gene ID:	1457
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

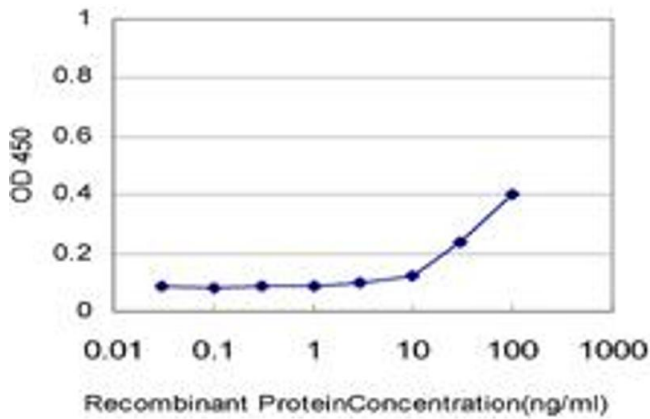
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Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

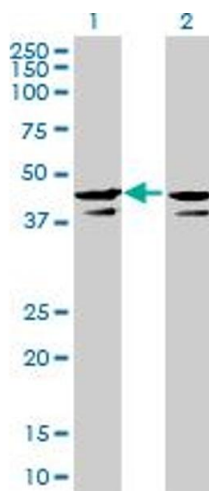
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Product cited in:	Lin, Hung, Lin, Li, Lee, Li, Chen, Chen, Yang: "CK2 inhibitors enhance the radiosensitivity of human non-small cell lung cancer cells through inhibition of stat3 activation." in: <b>Cancer biotherapy &amp; radiopharmaceuticals</b> , Vol. 26, Issue 3, pp. 381-8, (2011) ( <a href="#">PubMed</a> ).
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### ELISA

**Image 1.** Detection limit for recombinant GST tagged CSNK2A1 is approximately 3ng/ml as a capture antibody.

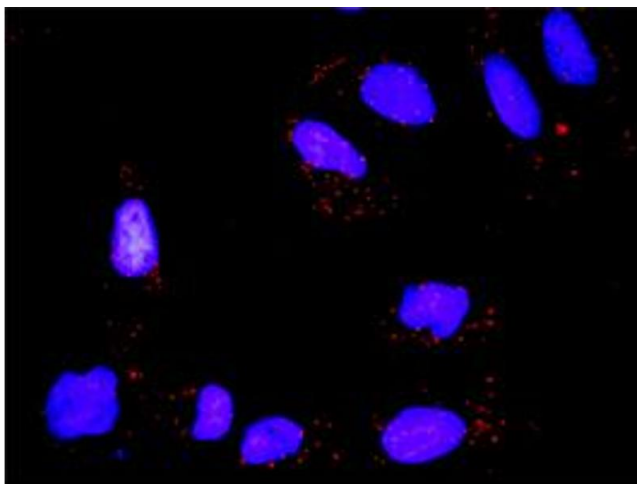


### Western Blotting

**Image 2.** Western Blot analysis of CSNK2A1 expression in transfected 293T cell line by CSNK2A1 monoclonal antibody (M01), clone 3D9.

Lane 1: CSNK2A1 transfected lysate(45.1 kDa).

Lane 2: Non-transfected lysate.



### Proximity Ligation Assay

**Image 3.** Proximity Ligation Analysis of protein-protein interactions between TP53 and CSNK2A1. HeLa cells were stained with anti-TP53 rabbit purified polyclonal 1:1200 and anti-CSNK2A1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN514706.