

For Research Use Only

# CSNK2A2 Polyclonal antibody

Catalog Number: 10606-1-AP

5 Publications



## Basic Information

Catalog Number:

10606-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0877

GenBank Accession Number:

BC008812

GeneID (NCBI):

1459

UNIPROT ID:

P19784

Full Name:

casein kinase 2, alpha prime polypeptide

Calculated MW:

41 kDa

Observed MW:

30-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : HEK-293 cells, HepG2 cells, Jurkat cells

IP : Jurkat cells,

IF/ICC : HepG2 cells,

## Background Information

CSNK2A2 (Casein kinase II subunit alpha') is also named as CK2A3, CK2A2, CSNK2A1, CK2 and belongs to the protein kinase superfamily. It can function 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 during mitosis. It also can protect against ionizing radiation-induced apoptosis partly by phosphorylating and activating SIRT1. This protein has molecular weights between 35 kDa and 44 kDa (PMID:8622692).

## Notable Publications

Author	Pubmed ID	Journal	Application
Dahyun Yu	35659303	Acta Neuropathol Commun	WB, IHC
Yan Zhang	31987502	Biochem Biophys Res Commun	WB
Libin Xu	38909494	Int Immunopharmacol	WB

## 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

For technical support and original validation data for this product please contact:

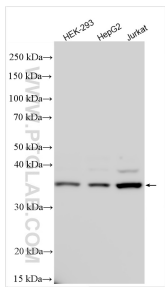
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

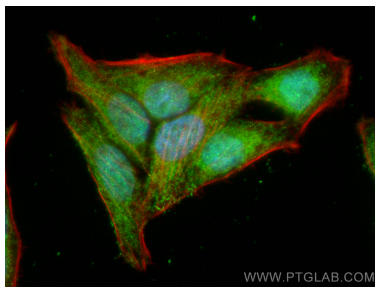
W: [ptgcn.com](http://ptgcn.com)

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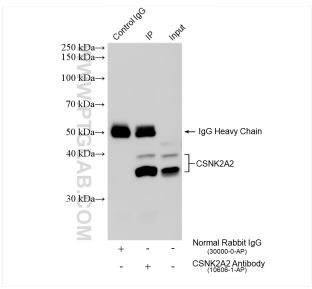
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10606-1-AP (CSNK2A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CSNK2A2 antibody (10606-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-CSNK2A2 (IP:10606-1-AP, 4ug; Detection:10606-1-AP 1:8000) with Jurkat cells lysate 1400 ug.