

For Research Use Only

# CSNK2A2 Polyclonal antibody

Catalog Number: 10606-1-AP

5 Publications



## Basic Information

### Catalog Number:

10606-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 260 ug/ml by Bradford method using BSA as the standard;

### 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 ug 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

\*\*\* 20ul sizes contain 0.1% BSA

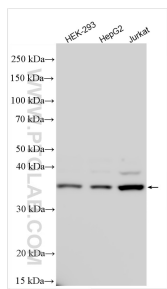
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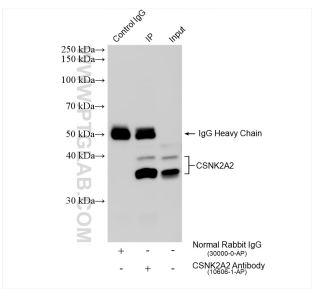
Selected Validation Data



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 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.