

For Research Use Only

CSNK2A2 Polyclonal antibody

Catalog Number: 10606-1-AP

3 Publications



Basic Information

Catalog Number:

10606-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0877

GenBank Accession Number:

BC008812

GeneID (NCBI):

1459

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 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IF 1:20-1:200

Applications

Tested Applications:

IF, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : HepG2 cells, HEK-293 cells, HT-1080 cells, Jurkat cells

IP : Jurkat cells,

IF : 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
Rachel H Mansky	36867535	Cell Rep	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

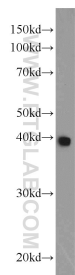
For technical support and original validation data for this product please contact:

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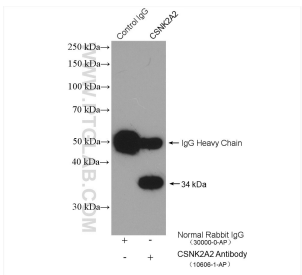
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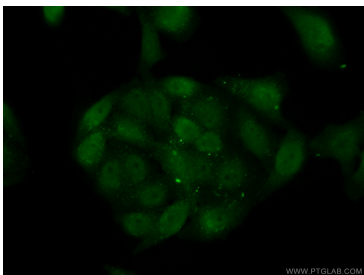
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 10606-1-AP (CSNK2A2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-CSNK2A2 (IP:10606-1-AP, 4ug; Detection:10606-1-AP 1:1000) with Jurkat cells lysate 2800 ug.



Immunofluorescent analysis of HepG2 cells using 10606-1-AP (CSNK2A2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).