

For Research Use Only

# Claspin Polyclonal antibody

Catalog Number: 23206-1-AP

2 Publications



## Basic Information

Catalog Number:

23206-1-AP

Size:

150ul, Concentration: 500 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19637

GenBank Accession Number:

BC137279

GeneID (NCBI):

63967

Full Name:

claspin homolog (Xenopus laevis)

Calculated MW:

1339 aa, 151 kDa

Observed MW:

240 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

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:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HEK-293 cells,

IP : HEK-293 cells,

IF : HepG2 cells, HeLa cells

## Background Information

CLSPN, also named as Claspin, is a 1339 amino acid protein, which belongs to the claspin family. CLSPN localizes in the nucleus and is highly expressed at S/G2 phases of the cell cycle. CLSPN is required for checkpoint mediated cell cycle arrest in response to inhibition of DNA replication or to DNA damage induced by both ionizing and UV irradiation. CLSPN plays a potentially critical role in replication checkpoint control in cells and mediating phosphorylation and activation of checkpoint protein kinases. The calculated molecular weight of CLSPN is 151 kDa, but the modified protein is about 220-240 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chao Wang	28350092	Int J Oncol	WB
Uma Thanigai Arasu	31820036	Cell Mol Life Sci	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

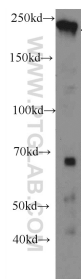
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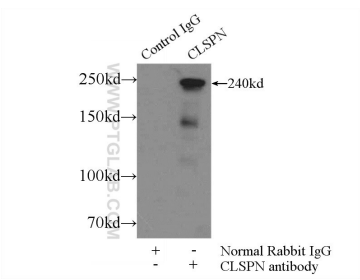
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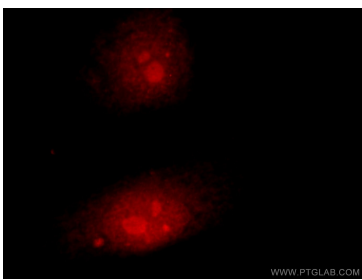
# Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 23206-1-AP (Claspin antibody at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP Result of anti-Claspin (IP:23206-1-AP, 5ug; Detection:23206-1-AP 1:1000) with HEK-293 cells lysate 2400ug.



Immunofluorescent analysis of HepG2 cells using 23206-1-AP (Claspin antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.