

For Research Use Only

# NCAPG2 Recombinant monoclonal antibody

Catalog Number: 87645-1-RR



## Basic Information

Catalog Number:

87645-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34991

GenBank Accession Number:

BC043404

GeneID (NCBI):

54892

UNIPROT ID:

Q86XI2

Full Name:

non-SMC condensin II complex, subunit G2

Calculated MW:

1143 aa, 131 kDa

Observed MW:

130 kDa

Purification Method:

Protein A purification

CloneNo.:

253099H6

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:250-1:1000

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HEK-293 cells, HepG2 cells, DU 145 cells, PC-3 cells, LNCaP cells, VCaP cells

IF/ICC : HepG2 cells,

## Background Information

NCAPG2 (non-SMC condensin II complex subunit G2) encodes a protein belonging to the non-SMC (structural maintenance protein) subunit family of the Condensin II complex that plays a key role in chromosome condensation and segregation during mitosis. NCAPG2 is positively correlated with cancer stem cell (CSC) markers, and aberrant NCAPG2 expression contributes to tumorigenesis in several human malignancies, such as prostate cancer and low-grade gliomas.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

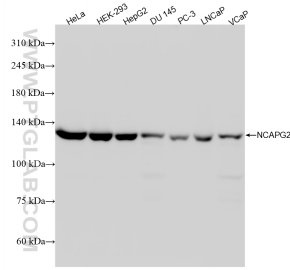
T: 4006900926

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

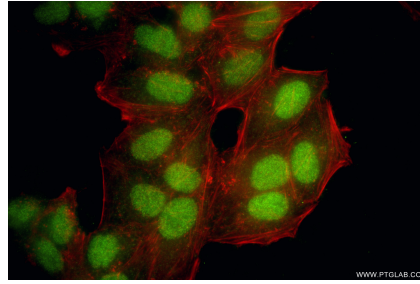
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87645-1-RR (NCAPG2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NCAPG2 antibody (87645-1-RR, Clone: 253099H6) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).