

For Research Use Only

NCAPG2 Recombinant monoclonal antibody

Catalog Number: 87645-1-RR



Basic Information

Catalog Number: 87645-1-RR	GenBank Accession Number: BC043404	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 54892	CloneNo.: 253099H6
Source: Rabbit	UNIPROT ID: Q86XI2	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: non-SMC condensin II complex, subunit G2	
Immunogen Catalog Number: AG34991	Calculated MW: 1143 aa, 131 kDa	
	Observed MW: 130 kDa	

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

*** 20ul sizes contain 0.1% BSA

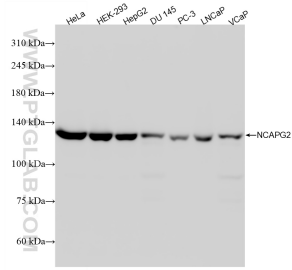
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

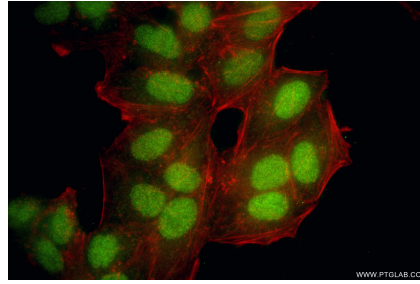
E: proteintech@ptglab.com
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Selected Validation Data



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).