

For Research Use Only

# NCAPG Monoclonal antibody

Catalog Number: 68082-1-Ig



## Basic Information

|                                                                   |                                                                |                                                                          |
|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>68082-1-Ig                              | <b>GenBank Accession Number:</b><br>BC068467                   | <b>Purification Method:</b><br>Protein A purification                    |
| <b>Size:</b><br>150ul , Concentration: 1000 ug/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>64151                                 | <b>CloneNo.:</b><br>2D4D3                                                |
| <b>Source:</b><br>Mouse                                           | <b>UNIPROT ID:</b><br>Q9BPX3                                   | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IF/ICC 1:200-1:800 |
| <b>Isotype:</b><br>IgG2b                                          | <b>Full Name:</b><br>non-SMC condensin I complex,<br>subunit G |                                                                          |
| <b>Immunogen Catalog Number:</b><br>AG19926                       | <b>Calculated MW:</b><br>1015 aa, 114 kDa                      |                                                                          |
|                                                                   | <b>Observed MW:</b><br>114 kDa                                 |                                                                          |

## Applications

|                                                              |                                                                                                                                         |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, IF/ICC, FC (Intra), ELISA | <b>Positive Controls:</b>                                                                                                               |
| <b>Species Specificity:</b><br>Human                         | <b>WB :</b> A431 cells, HeLa cells, HEK-293 cells, HepG2 cells,<br>Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells,<br>4T1 cells |
|                                                              | <b>IF/ICC :</b> U2OS cells,                                                                                                             |

## 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

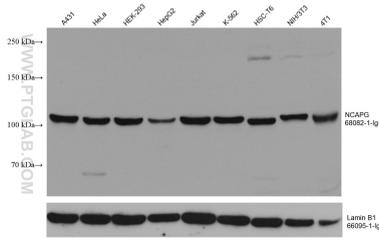
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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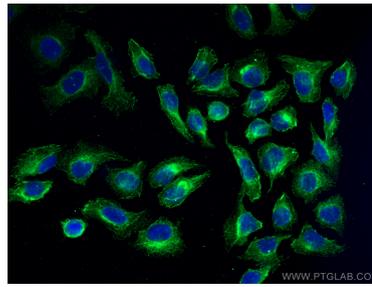
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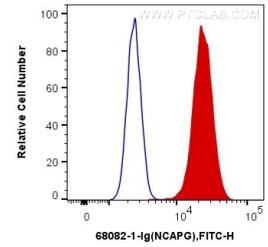
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68082-1-Ig (NCAPG antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Lamin B1 Monoclonal antibody (66095-1-Ig) as loading control.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using NCAPG antibody (68082-1-Ig, Clone: 2D4D3 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



$1 \times 10^6$  U2OS cells were intracellularly stained with 0.4 ug Anti-Human NCAPG (68082-1-Ig, Clone:2D4D3) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).