

## Rabbit NCL Polyclonal Antibody | anti-NCL antibody

NCL Antibody (Center P291)

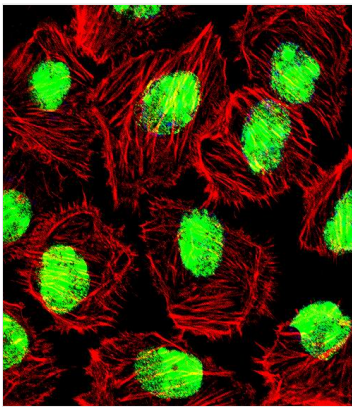
|                               |                       |                                                           |                                                                |
|-------------------------------|-----------------------|-----------------------------------------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA289612</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human (Predicted Reactivity: Monkey)</b> | APPLICATIONS<br><b>Immunofluorescence, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------|----------------------------------------------------------------|

### PRODUCT SYNONYMS

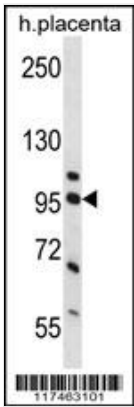
NCL; Polyclonal Antibody; NCL Antibody (Center P291); Nucleolin; Protein C23; anti-NCL antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                              |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                       |
| Reactivity                                    | Human (Predicted Reactivity: Monkey)                                                                                                                                         |
| Clonality                                     | Polyclonal                                                                                                                                                                   |
| Isotype                                       | Rabbit Ig                                                                                                                                                                    |
| Specificity                                   | This NCL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 276-304 amino acids from the Central region of human NCL.              |
| Purity/Purification                           | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                   | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                 | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                            | 276-304                                                                                                                                                                      |
| Sequence Length                               | 710                                                                                                                                                                          |
| Applicable Applications for anti-NCL antibody | IF (Immunofluorescence), ELISA, WB (Western Blot)                                                                                                                            |
| Antigen Type                                  | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                | HUMAN                                                                                                                                                                        |
| Preparation and Storage                       | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



**IF (Immunofluorescence)**  
Fluorescent confocal image of U251 cell stained with NCL Antibody (Center P291). U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with NCL primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). NCL immunoreactivity is localized to Nucleus significantly.



**WB (Western Blot)**  
NCL Antibody (Center P291) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the NCL antibody detected the NCL protein (arrow).

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NCL antibody | Nucleolin (NCL), a eukaryotic nucleolar phosphoprotein, is involved in the synthesis and maturation of ribosomes. It is located mainly in dense fibrillar regions of the nucleolus. Human NCL gene consists of 14 exons with 13 introns and spans approximately 11kb. The intron 11 of the NCL gene encodes a small nucleolar RNA, termed U20. |
| References                                        | Ishimaru, D., et al. J. Biol. Chem. 285(35):27182-27191(2010)<br>Tulchin, N., et al. Am. J. Pathol. 176(3):1203-1214(2010)<br>Strang, B.L., et al. J. Virol. 84(4):1771-1784(2010)<br>Bertrand, L., et al. J. Virol. 84(1):109-118(2010)<br>Jerke, U., et al. PLoS ONE 4 (12), E8302 (2009) :                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 55956788                               |
| NCBI GeneID                      | 4691                                   |
| NCBI Accession #                 | NP_005372.2                            |
| NCBI GenBank Nucleotide #        | NM_005381.2                            |
| UniProt Accession #              | P19338; Q53SK1; Q8NB06; Q9UCF0; Q9UDG1 |
| Molecular Weight                 | 76614                                  |
| NCBI Official Full Name          | nucleolin                              |
| NCBI Official Synonym Full Names | nucleolin                              |
| NCBI Official Symbol             | NCL                                    |
| NCBI Official Synonym Symbols    | C23                                    |
| NCBI Protein Information         | nucleolin                              |
| UniProt Protein Name             | Nucleolin                              |

|                    |            |
|--------------------|------------|
| UniProt Gene Name  | NCL        |
| UniProt Entry Name | NUCL_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ncl-antibody-immunofluorescence-western-blot-elisa/289612>