

# CENPC1

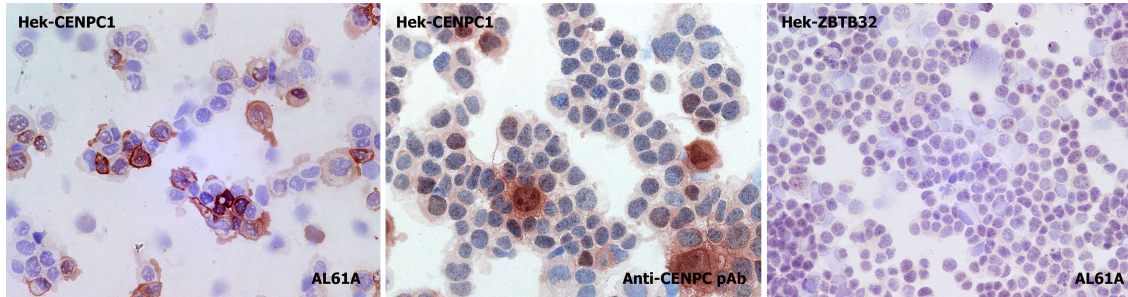
**CONTACT INFORMATION:** Monoclonal Antibodies Unit. Centro Nacional de Investigaciones Oncológicas  
**STATUS:** Validated  
**TYPE:** mouse anti human  
**CLONE NAME:** AL61A  
**PROTEIN:** Centromeric protein c1  
**PROTEIN WEB:** [http://www.ncbi.nlm.nih.gov/protein/NP\\_001803.2](http://www.ncbi.nlm.nih.gov/protein/NP_001803.2)  
**ANTIGEN USED:** hCENPC Nterm-GST  
**FUSION PARTNER:** NS1/Ag4-1 (NS1) cells  
**ISOTYPE:** IgG1  
**SPECIES REACTIVITY:** Human  
**PREPARATION AND STORAGE:** Aliquot and store at 4C. Do not freeze

## DESCRIPTION

Centromere protein C 1 is a centromere autoantigen and a component of the inner kinetochore plate. The protein is required for maintaining proper kinetochore size and a timely transition to anaphase. A putative pseudogene exists on chromosome 12.[provided by RefSeq, Jul 2008].

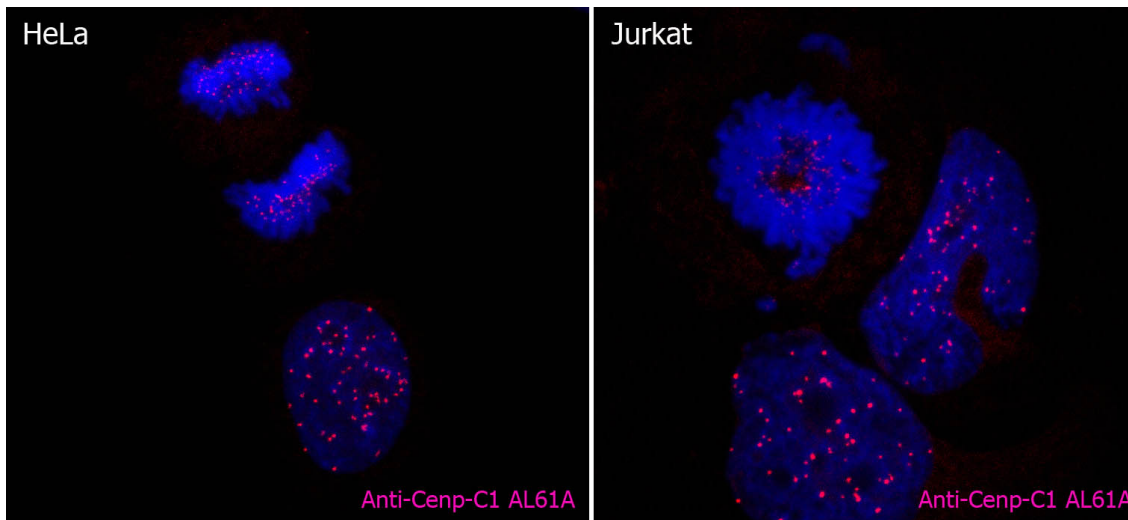
## APPLICATIONS

IHC Techniques	Clone	Dilution	Antibody concentration	Antigen retrieval method	Visualization kit	Positive control	Negative control	Protein localization	Positivity in other species
Frozen tissue and cytopins									
Paraffin tissue									
Immunofluorescence									
Recommended	AL61A	Neat supernatant				Hela		nuclear	



**AL61A mAb in transfected cells**

Nuclear and cytoplasmic staining on frozen cytospin preparations of transfected HEK293T/CENPC1 cells using antibody AL61A. Labeling with the anti-CENPC pAb confirmed the efficiency of transfection. HEK293T/ZBTB32 transfected cells were used as a negative control.



**Immunofluorescence of anti-CENPC1 mAb AL61A.**

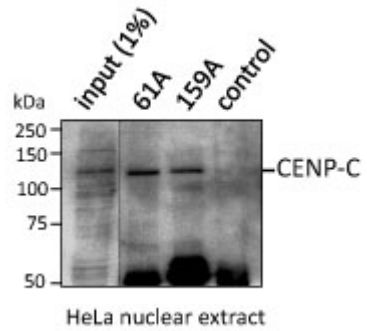
CENPC1 (AL61A) nuclear protein in red and DAPI staining in blue in HeLa and Jurkat human cell lines.

WB Techniques	Clone	Dilution	Antibody concentration	Positive control	Negative control	Expected MW	Observed Mw	Positivity in other species
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Western Blotting

Immunoprecipitation

Recommended	AL61A			HeLa nuclear extract				
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**CENPC1 Immunoprecipitation by using AL61A mAb.**

Western blotting results of an immunoprecipitation of HELA nuclear extract by using clon AL61A and blotting with another anti-CENPC1 clon (AL159A).

Lane 1 input 1%

Lane 2 HeLa nuclear extract (+)

Lane 3 HeLa nuclear extract (+)

Lane 4 Control (-)