CENPC1

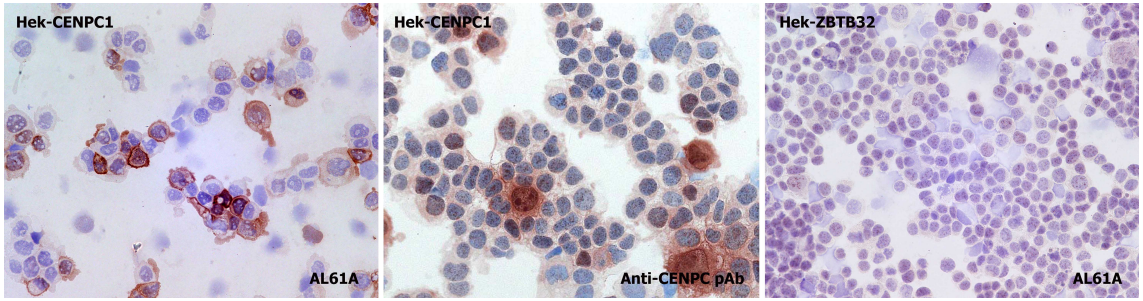
CONTACT INFORMATION:	Monoclonal Antibodies Unit. Centro Nacional de Investigaciones Oncológicas
STATUS:	Validated
TYPE:	mouse anti human
CLONE NAME:	AL61A
PROTEIN:	Centromeric protein c1
PROTEIN WEB:	http://www.ncbi.nlm.nih.gov/protein/NP_001803.2
ANTIGEN USED:	hCENPC Nterm-GST
FUSION PARTNER:	NS1/Ag4-1 (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].

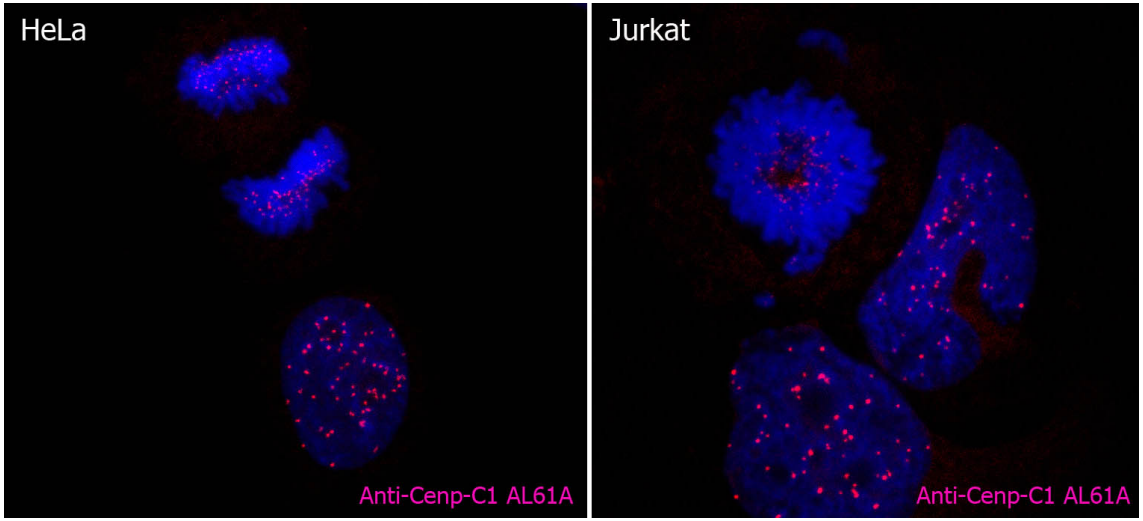
APPLICATIONS

IHC Techniques	Clone	Dilution	Antibody concentration	Antigen retrieval method	Visualization kit	Positive control	Negative control	Protein localization	Positivity in other species
Frozen tissue and cytospins									
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.

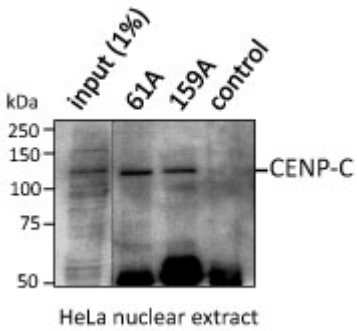


Immunofluorescence of anti-CENPC1 mAb AL61A.

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

Western Blotting								
Immunoprecipitation								
Recommended	AL61A			Hela nuclear extract				



CENPC1 Immunoprecipitation by using AL61A mAb.

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

Lane 1 input 1%

Lane 2 HeLa nuclear extract (+)

Lane 3 HeLa nuclear extract (+)

Lane 4 Control (-)