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CENPU / MLF1IP Antibody
Rabbit Polyclonal Antibody
Catalog # ALS16703

Specification

CENPU / MLF1IP Antibody - Product Information

Application	**IHC, ICC**
Primary Accession	Q71F23
Other Accession	79682
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**47522**

CENPU / MLF1IP Antibody - Additional Information

Gene ID 79682

Other Names
CENPU, CENP-U, CENP50, CENPU50, Centromere protein U, ICEN24, KLIP1, Polo-box-interacting protein 1, MLF1-interacting protein, CENP-50, Centromere protein of 50 kDa, MLF1 interacting protein, MLF1IP, PBIP1

Target/Specificity
Human MLF1IP / CENP-U

Reconstitution & Storage
PBS, pH 7.2, 50% glycerol. Store at -20°C.

Precautions
CENPU / MLF1IP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CENPU / MLF1IP Antibody - Protein Information

Name CENPU

Synonyms ICEN24, KLIP1, MLF1IP, PBIP1

Function
Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres. Plays an important role in the correct PLK1 localization to the mitotic kinetochores. A scaffold protein responsible for the initial recruitment and maintenance of the kinetochore PLK1 population until its degradation. Involved in transcriptional repression.

Cellular Location
Cytoplasm. Nucleus. Chromosome, centromere, kinetochore. Note=Localizes in the kinetochore domain of centromeres Colocalizes with PLK1 at the interzone between the inner and the outer kinetochore plates

Tissue Location
Expressed at high levels in the testis, fetal liver, thymus, bone marrow and at lower levels in the lymph nodes, placenta, colon and spleen. Present in all cell lines examined, including B-cells, T-cells, epithelial cells and fibroblast cells Expressed at high levels in glioblastoma cell lines

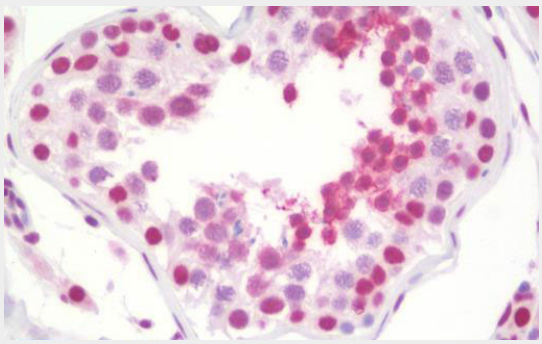
Volume
500 µl

CENPU / MLF1IP Antibody - Protocols

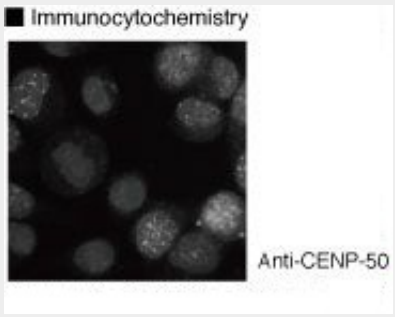
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CENPU / MLF1IP Antibody - Images



Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunocytochemistry: Anti-CENP-50

CENPU / MLF1IP Antibody - Background

Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres. Plays an important role in the correct PLK1 localization to the mitotic kinetochores. A scaffold protein responsible for the initial recruitment and maintenance of the kinetochore PLK1 population until its degradation. Involved in transcriptional repression.

CENPU / MLF1IP Antibody - References

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Hanissian S.H.,et al.Oncogene 23:3700-3707(2004).
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Hanissian S.H.,et al.Submitted (AUG-2006) to the EMBL/GenBank/DDBJ databases.