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MLF1IP Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17429b

Specification

MLF1IP Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q71F23

MLF1IP Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 79682

Other Names
Centromere protein U, CENP-U, Centromere protein of 50 kDa, CENP-50, Interphase centromere complex protein 24, KSHV latent nuclear antigen-interacting protein 1, MLF1-interacting protein, Polo-box-interacting protein 1, CENPU, ICEN24, KLIP1, MLF1IP, PBIP1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MLF1IP Antibody (C-term) Blocking Peptide - 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

MLF1IP Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MLF1IP Antibody (C-term) Blocking Peptide - Images

MLF1IP Antibody (C-term) Blocking Peptide - Background

The centromere is a specialized chromatin domain, presentthroughout the cell cycle, that acts as a platform on which thetransient assembly of the kinetochore occurs during mitosis. Allactive centromeres are characterized by the presence of long arraysof nucleosomes in which CENPA (MIM 117139) replaces histone H3 (seeMIM 601128). MLF1IP, or CENPU, is an additional factor required forcentromere assembly (Foltz et al., 2006 [PubMed16622419]).

MLF1IP Antibody (C-term) Blocking Peptide - References

Suzuki, H., et al. Anticancer Res. 27 (3B), 1423-1430 (2007) :Kang, Y.H., et al. Mol. Cell 24(3):409-422(2006)Izuta, H., et al. Genes Cells 11(6):673-684(2006)Okada, M., et al. Nat. Cell Biol. 8(5):446-457(2006)Foltz, D.R., et al. Nat. Cell Biol. 8(5):458-469(2006)