

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

MLF1IP Antibody (C-term) Blocking Peptide - Product InformationPrimary 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, present throughout the cell cycle, that acts as a platform on which the transient assembly of the kinetochore occurs during mitosis. All active centromeres are characterized by the presence of long arrays of nucleosomes in which CENPA (MIM 117139) replaces histone H3 (see MIM 601128). MLF1IP, or CENPU, is an additional factor required for centromere assembly (Foltz et al., 2006 [PubMed 16622419]).

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)