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# MLF1IP Antibody (C-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP17429b**

## Specification

### MLF1IP Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | Q71F23 |
| Other Accession | NP_078905.2 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **47522** |
| Antigen Region | **292-319** |

### MLF1IP Antibody (C-term) - 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

**Target/Specificity**
This MLF1IP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 292-319 amino acids from the C-terminal region of human MLF1IP.

**Dilution**
WB~~1:1000

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
MLF1IP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### MLF1IP Antibody (C-term) - 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

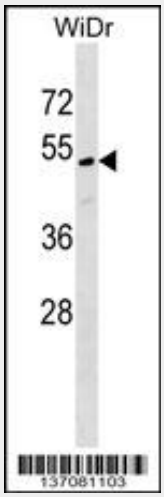
**Tissue Location**
Expressed at high levels in the testis, fetal liver, thymus, bone marrow and at lower levels in the lymph nodes, placenta, colon and spleen. Present in all cell lines examined, including B-cells, T-cells, epithelial cells and fibroblast cells Expressed at high levels in glioblastoma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

## MLF1IP Antibody (C-term) - 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

## MLF1IP Antibody (C-term) - Images




MLF1IP Antibody (C-term) (Cat. #AP17429b) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the MLF1IP antibody detected the MLF1IP protein (arrow).

## MLF1IP Antibody (C-term) - Background

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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) - 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)