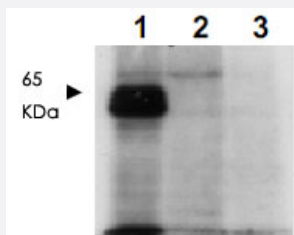


MLF1IP polyclonal antibody

Catalog # PAB10266 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western blot using MLF1IP polyclonal antibody (Cat # PAB10266) shows detection of MLF1IP (arrowhead) in HeLa cells transfected with ZZ-tagged MLF1IP (lane 1).

Lane 2 is lysate from non-transfected HeLa cells, and Lane 3 is lysate from HeLa cells containing a knock-out mutation for MLF1IP.

Personal Communication, Kyung S. Lee, CCR-NCI, Bethesda, MD.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MLF1IP.
Immunogen	A synthetic peptide corresponding to residues surrounding T78 of human MLF1IP.
Host	Rabbit
Reactivity	Bovine, Chimpanzee, Dog, Human, Mouse, Rat
Specificity	This affinity purified antibody is directed against human MLF1IP protein. This antibody reacts with MLF1IP protein that is either phosphorylated or non-phosphorylated at Thr78.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:5000-1:25000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot using MLF1IP polyclonal antibody (Cat # PAB10266) shows detection of MLF1IP (arrowhead) in HeLa cells transfected with ZZ-tagged MLF1IP (lane 1).

Lane 2 is lysate from non-transfected HeLa cells, and Lane 3 is lysate from HeLa cells containing a knock-out mutation for MLF1IP.

Personal Communication, Kyung S. Lee, CCR-NCI, Bethesda, MD.

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MLF1IP

Entrez GeneID[79682](#)**Protein Accession#**[NP_078905:Q71F23](#)**Gene Name**

MLF1IP

Gene Alias

CENP-50, CENP-U, CENP-U(50), CENP50, CENPU, FLJ23468, KLIP1, PBIP1

Gene Description

MLF1 interacting protein

Omim ID[611511](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]).[supplied by OMIM]

Other Designations

KSHV latent nuclear antigen interacting protein 1|centromere protein U|polo-box-interacting protein 1

Publication Reference

- [Regulation of myeloid leukemia factor-1 interacting protein \(MLF1IP\) expression in glioblastoma.](#)

Hanissian SH, Teng B, Akbar U, Janjetovic Z, Zhou Q, Duntsch C, Robertson JH.

Brain Research 2005 Jun; 1047(1):56.

Application: IF, IHC, WB, Human, Rat, Human, Rat glioma lines, MOR86 cells, Rat brain

- [cDNA cloning and characterization of a novel gene encoding the MLF1-interacting protein MLF1IP.](#)

Hanissian SH, Akbar U, Teng B, Janjetovic Z, Hoffmann A, Hitzler JK, Iscove N, Hamre K, Du X, Tong Y, Mukatira S, Robertson JH, Morris SW.

Oncogene 2004 Apr; 23(20):3700.

Application: IF, IHC, WB, Human, Mouse, COS-7, HeLa, HEL, MEL, K-562 cells, Testis

- [Identification of a novel cellular transcriptional repressor interacting with the latent nuclear antigen of Kaposi's sarcoma-associated herpesvirus.](#)

Pan HY, Zhang YJ, Wang XP, Deng JH, Zhou FC, Gao SJ.

Journal of Virology 2003 Sep; 77(18):9758.

Application: WB-Tr, Human, HEK 293 cells