



## Rabbit Anti-MLF1 Interacting Protein antibody

SL5752R

<b>Product Name:</b>	MLF1 Interacting Protein
<b>Chinese Name:</b>	卡波西氏肉瘤疱疹病毒潜伏核抗原相互作用蛋白1抗体
<b>Alias:</b>	CENP U; CENP50; CENPU; centromere protein U; HHV8 LNAIP1; ICEN24; Kaposi Sarcoma Herpesvirus latent nuclear antigen interacting protein 1; KLIP-1; KLIP1; KLIP 1; ; KSHV latent nuclear antigen interacting protein 1; KSHV LNAIP1; LNAIP 1; LNAIP-1; MLF1IP1; PBIP1; CENPU HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	48kDa
<b>Cellular localization:</b>	The nucleocytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MLF1 Interacting Protein/PBIP1:301-400/418
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	MLF1 Interacting protein (also known as PBIP1, MLF1IP1, KLIP1 or KSHV latent nuclear antigen interacting protein 1) is a component of the CENPA nucleosome-associated complex (CENPA NAC), which plays a central role in assembly of

kinetochore proteins, mitotic progression and chromosome segregation. This protein is involved in transcriptional repression and interacts with the N-terminal domain of Kaposi Sarcoma Herpesvirus latent nuclear antigen (KSHV LNA).

**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.

**Subunit:**

Component of the CENPA-NAC complex, at least composed of CENPA, CENPC, CENPH, CENPM, CENPN, CENPT and MLF1IP/CENPU. The CENPA-NAC complex interacts with the CENPA-CAD complex, composed of CENPI, CENPK, CENPL, CENPO, CENPP, CENPQ, CENPR and CENPS. Interacts with the N-terminal domain of Kaposi's sarcoma-associated herpesvirus latent nuclear antigen (LNA). Interacts with MLF1. Interacts with PLK1.

**Subcellular 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 Specificity:**

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.

**Post-translational modifications:**

Phosphorylated by PLK1 at Thr-78, creating a self-tethering site that specifically interacts with the polo-box domain of PLK1.

**SWISS:**

Q71F23

**Gene ID:**

79682

**Database links:**

[Entrez Gene: 79682](#)Human

[Entrez Gene: 71876](#)Mouse

[Entrez Gene: 306464](#)Rat

[Oimim: 611511](#)Human

[SwissProt: Q71F23](#)Human

[SwissProt: Q8C4M7](#)Mouse

[SwissProt: Q4V8G7](#)Rat

[Unigene: 575032](#)Human

[Unigene: 217385](#)Mouse

[Unigene: 22108](#)Mouse

[Unigene: 128609](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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