



# MLF1 Polyclonal Antibody

<b>Catalog No</b>	BYab-03962
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;IHC
<b>Gene Name</b>	MLF1
<b>Protein Name</b>	Myeloid leukemia factor 1
<b>Immunogen</b>	Synthesized peptide derived from MLF1 . at AA range: 130-210
<b>Specificity</b>	MLF1 Polyclonal Antibody detects endogenous levels of MLF1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	MLF1; Myeloid leukemia factor 1; Myelodysplasia-myeloid leukemia factor 1
<b>Observed Band</b>	30kD
<b>Cell Pathway</b>	Cytoplasm . Nucleus . Cell projection, cilium . Cytoplasm, cytoskeleton, cilium basal body . Shuttles between the cytoplasm and nucleus. .
<b>Tissue Specificity</b>	Most abundant in testis, ovary, skeletal muscle, heart, kidney and colon. Low expression in spleen, thymus and peripheral blood leukocytes.
<b>Function</b>	disease:A chromosomal aberration involving MLF1 is a cause of myelodysplastic syndrome (MDS). Translocation t(3;5)(q25.1;q34) with NPM1/NPM.,function:Involved in lineage commitment of primary hemopoietic progenitors by restricting erythroid formation and enhancing myeloid formation. Interferes with erythropoietin-induced erythroid terminal differentiation by preventing cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. Suppresses RFWD2/COP1 activity via CSN3 which activates p53 and induces cell cycle arrest. Binds DNA and affects the expression of a number of genes so may function as a transcription factor in the nucleus.,PTM:Phosphorylation is required for binding to YWHAZ.,similarity:Belongs to the MLF family.,subcellular location:In

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non-hematopoietic cells, resides primarily in the cytoplasm with some punctate nuclear localization. Shuttles between the cyto

**Background**

myeloid leukemia factor 1(MLF1) Homo sapiens This gene encodes an oncoprotein which is thought to play a role in the phenotypic determination of hemopoetic cells. Translocations between this gene and nucleophosmin have been associated with myelodysplastic syndrome and acute myeloid leukemia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2010],

**matters needing attention**

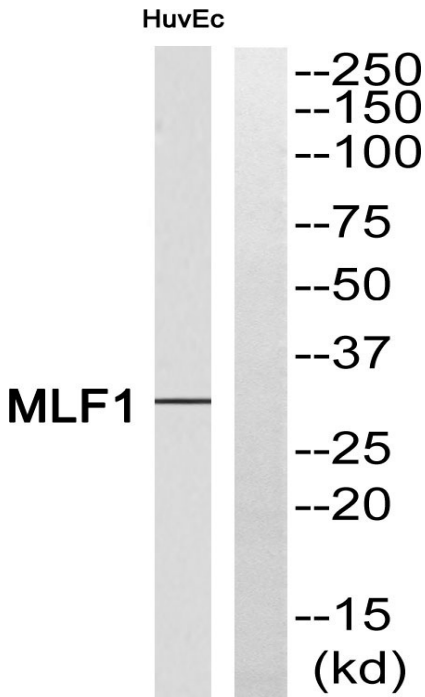
Avoid repeated freezing and thawing!

**Usage suggestions**

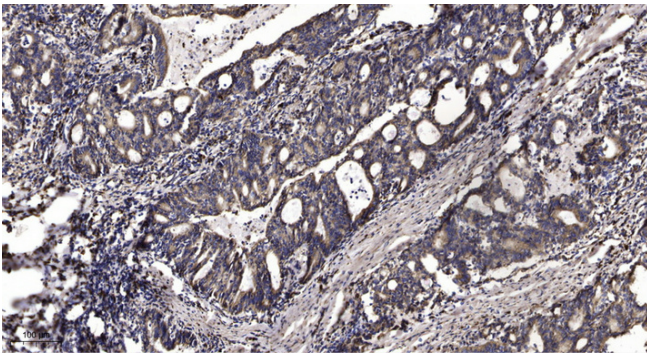
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



Western blot analysis of MLF1 Antibody. The lane on the right is blocked with the MLF1 peptide.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).