



MLF1 Polyclonal Antibody

Catalog No	YP-Ab-03962
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC
Gene Name	MLF1
Immunogen	Synthesized peptide derived from MLF1 . at AA range: 130-210
Specificity	MLF1 Polyclonal Antibody detects endogenous levels of MLF1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	myeloid leukemia factor 1;Myelodysplasia-myeloid leukemia factor 1;MLF1
Observed Band	30kD
Calculated Molecular Weight	30kD
Cell Pathway	Cytoplasm . Nucleus . Cell projection, cilium . Cytoplasm, cytoskeleton, cilium basal body . Shuttles between the cytoplasm and nucleus. .
Tissue Specificity	Most abundant in testis, ovary, skeletal muscle, heart, kidney and colon. Low expression in spleen, thymus and peripheral blood leukocytes.
Function	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 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],

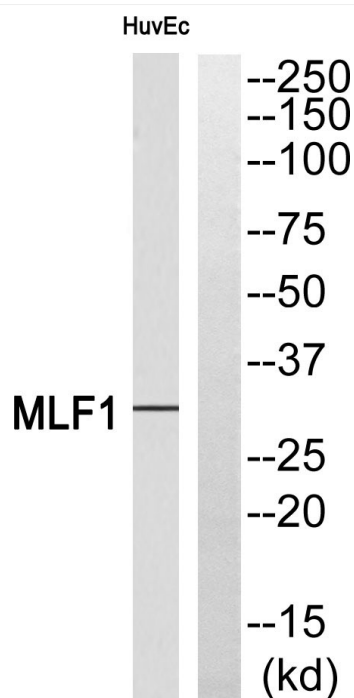
matters needing attention

Avoid repeated freezing and thawing!

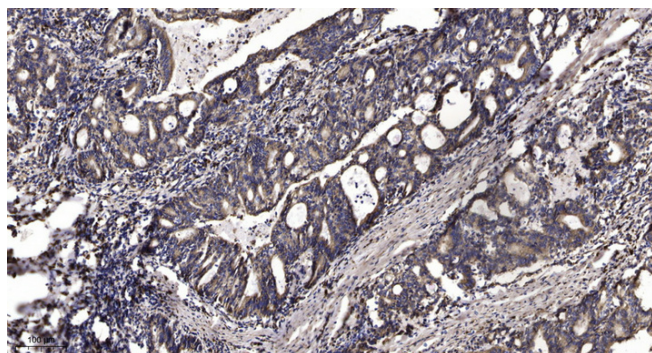
Usage suggestions

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).