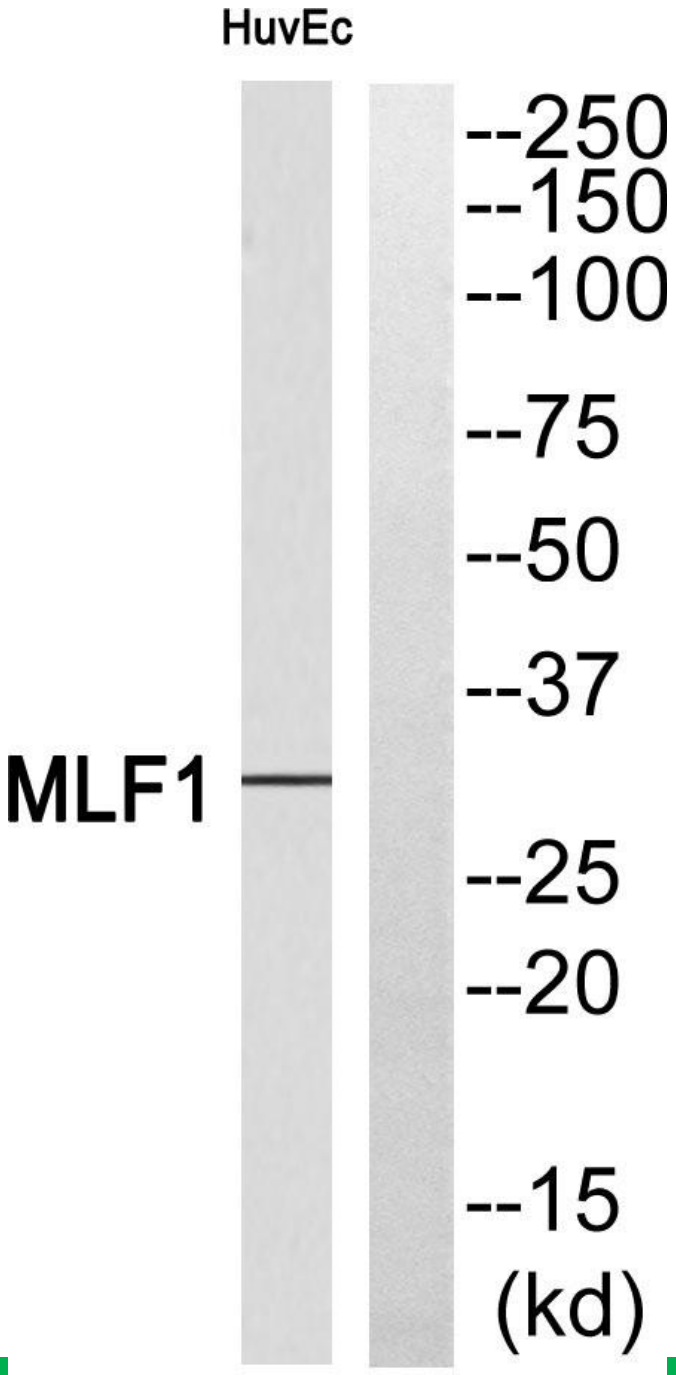
MLF1 Monoclonal Antibody

Catalog No	YP-mAb-03962
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	MLF1
Protein Name	Myeloid leukemia factor 1
Immunogen	Synthesized peptide derived from MLF1 . at AA range: 130-210
Specificity	MLF1 Monoclonal Antibody detects endogenous levels of MLF1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MLF1; Myeloid leukemia factor 1; Myelodysplasia-myeloid leukemia factor 1
Observed Band	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 erythopoietin-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 various cells using MLF1 Monoclonal Antibody