

(Mouse) Mlf1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20887a

Product Information

Application WB, E **Primary Accession** Q9QWV4

Reactivity Human, Rat, Mouse

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB51172Calculated MW30432

Additional Information

Gene ID 17349

Other Names Myeloid leukemia factor 1, Hematopoietic lineage switch 7,

Myelodysplasia-myeloid leukemia factor 1, Mlf1, Hls7

Target/Specificity This (Mouse) Mlf1 antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 91-126 amino acids from the Central

region of (Mouse) Mlf1.

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions (Mouse) Mlf1 Antibody (Center) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name Mlf1

Synonyms Hls7

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 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.

Cytoplasm. Nucleus. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium **Cellular Location**

basal body. Note=Shuttles between the cytoplasm and nucleus.

Tissue Location Highly expressed in skeletal muscle, heart, testis. Also found in lung, but not

in spleen, thymus, bone marrow, liver and kidney.

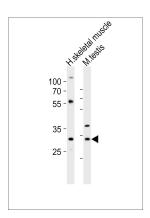
Background

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.

References

Hitzler J.K., et al. Am. J. Pathol. 155:53-59(1999). Williams J.H., et al. EMBO J. 18:5559-5566(1999). Lim R., et al.J. Biol. Chem. 277:40997-41008(2002). Winteringham L.N., et al. Oncogene 23:5105-5109(2004). Winteringham L.N., et al. J. Biol. Chem. 281:38791-38800(2006).

Images



Western blot analysis of lysates from human skeletal muscle, mouse testis tissue lysate (from left to right), using Mlf1 Antibody (Center)(Cat. #AP20887a). AP20887a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.