

**(Mouse) Mlf1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20887a**

**Specification**

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**(Mouse) Mlf1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9QWV4</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	30432

**(Mouse) Mlf1 Antibody (Center) - 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

**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.

**(Mouse) Mlf1 Antibody (Center) - 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.

#### Cellular Location

Cytoplasm. Nucleus. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body.  
Note=Shuttles between the cytoplasm and nucleus.

#### Tissue Location

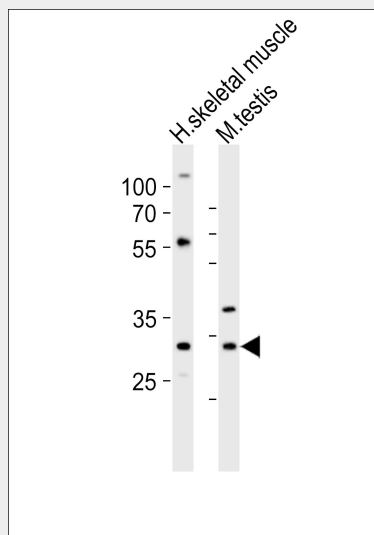
Highly expressed in skeletal muscle, heart, testis. Also found in lung, but not in spleen, thymus, bone marrow, liver and kidney.

### (Mouse) Mlf1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### (Mouse) Mlf1 Antibody (Center) - 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.

### (Mouse) Mlf1 Antibody (Center) - 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 RFW2/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.

**(Mouse) Mlf1 Antibody (Center) - 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).  
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