

Mlf1 Antibody (N-term S34) Blocking Peptide
Synthetic peptide
Catalog # BP18730a**Specification**

Mlf1 Antibody (N-term S34) Blocking Peptide - Product InformationPrimary Accession [P58340](#)**Mlf1 Antibody (N-term S34) Blocking Peptide - Additional Information****Gene ID** 4291**Other Names**

Myeloid leukemia factor 1, Myelodysplasia-myeloid leukemia factor 1, MLF1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mlf1 Antibody (N-term S34) Blocking Peptide - Protein Information**Name** MLF1**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 {ECO:0000250|UniProtKB:Q9QWV4}. Nucleus {ECO:0000250|UniProtKB:Q9QWV4}. Cell projection, cilium {ECO:0000250|UniProtKB:Q9QWV4}. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q9QWV4}. Note=Shuttles between the cytoplasm and nucleus. {ECO:0000250|UniProtKB:Q9QWV4}

Tissue Location

Most abundant in testis, ovary, skeletal muscle, heart, kidney and colon. Low expression in spleen, thymus and peripheral blood leukocytes

Mlf1 Antibody (N-term S34) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mlf1 Antibody (N-term S34) Blocking Peptide - Images

Mlf1 Antibody (N-term S34) Blocking Peptide - Background

This gene encodes an oncoprotein which is thought to play a role in the phenotypic determination of hemopoietic 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.

Mlf1 Antibody (N-term S34) Blocking Peptide - References

Lim, G., et al. Cancer Genet. Cytogenet. 199(2):101-109(2010) Luke, M.M., et al. Stroke 40(2):363-368(2009) Li, Z.F., et al. J. Neurol. Sci. 264 (1-2), 77-86 (2008) :Shiffman, D., et al. Arterioscler. Thromb. Vasc. Biol. 28(1):173-179(2008) Yoneda-Kato, N., et al. Mol. Cell. Biol. 28(1):422-434(2008)