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# MSL1 Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP14386c**

## Specification

### MSL1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q68DK7

### MSL1 Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 339287

**Other Names**
Male-specific lethal 1 homolog, MSL-1, Male-specific lethal 1-like 1, MSL1-like 1, Male-specific lethal-1 homolog 1, MSL1, MSL1L1

**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.

### MSL1 Antibody (Center) Blocking Peptide - Protein Information

**Name** MSL1

**Synonyms** MSL1L1

**Function**
Component of histone acetyltransferase complex responsible for the majority of histone H4 acetylation at 'Lys-16' (H4K16ac) which is implicated in the formation of higher-order chromatin structure (PubMed:<a href="http://www.uniprot.org/citations/16227571" target="_blank">16227571</a>). Greatly enhances MSL2 E3 ubiquitin ligase activity, promoting monoubiquitination of histone H2B at 'Lys-34' (H2BK34Ub) (PubMed:<a href="http://www.uniprot.org/citations/21726816" target="_blank">21726816</a>). This modification in turn stimulates histone H3 methylation at 'Lys-4' (H3K4me) and 'Lys-79' (H3K79me) and leads to gene activation, including that of HOXA9 and MEIS1 (PubMed:<a href="http://www.uniprot.org/citations/21726816" target="_blank">21726816</a>). In the MSL complex, acts as a scaffold to tether MSL3 and KAT8 together for enzymatic activity regulation (PubMed:<a href="http://www.uniprot.org/citations/22547026" target="_blank">22547026</a>).

**Cellular Location**
Nucleus. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q6PDM1}. Nucleus speckle {ECO:0000250|UniProtKB:Q6PDM1}

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## MSL1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

## MSL1 Antibody (Center) Blocking Peptide - Images

## MSL1 Antibody (Center) Blocking Peptide - Background

Component of histone acetyltransferase complex responsible for the majority of histone H4 acetylation at 'Lys-16' which is implicated in the formation of higher-order chromatin structure.

## MSL1 Antibody (Center) Blocking Peptide - References

Gironella, M., et al. J. Cell. Physiol. 221(3):594-602(2009)Mendjan, S., et al. Mol. Cell 21(6):811-823(2006)Smith, E.R., et al. Mol. Cell. Biol. 25(21):9175-9188(2005)Marin, I. J. Mol. Evol. 56(5):527-539(2003)