

MSL1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14386c**Specification**

MSL1 Antibody (Center) Blocking Peptide - Product InformationPrimary 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:16227571). Greatly enhances MSL2 E3 ubiquitin ligase activity, promoting monoubiquitination of histone H2B at 'Lys-34' (H2BK34Ub) (PubMed:21726816). 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:21726816). In the MSL complex, acts as a scaffold to tether MSL3 and KAT8 together for enzymatic activity regulation (PubMed:22547026).

Cellular Location

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

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)