

**MCRS1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16872a****Specification**

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**MCRS1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q96EZ8](#)**MCRS1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10445**Other Names**

Microspherule protein 1, 58 kDa microspherule protein, Cell cycle-regulated factor p78, INO80 complex subunit J, MCRS2, MCRS1, INO80Q, MSP58

**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.

**MCRS1 Antibody (N-term) Blocking Peptide - Protein Information****Name** MCRS1**Synonyms** INO80Q, MSP58**Function**

Modulates the transcription repressor activity of DAXX by recruiting it to the nucleolus (PubMed: <a href="http://www.uniprot.org/citations/11948183" target="\_blank">11948183</a>). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed: <a href="http://www.uniprot.org/citations/20018852" target="\_blank">20018852</a>). Putative regulatory component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair. May also be an inhibitor of TERT telomerase activity (PubMed: <a href="http://www.uniprot.org/citations/15044100" target="\_blank">15044100</a>). Binds to G-quadruplex structures in mRNA (PubMed: <a href="http://www.uniprot.org/citations/16571602" target="\_blank">16571602</a>). Binds to RNA homomer poly(G) and poly(U) (PubMed: <a href="http://www.uniprot.org/citations/16571602" target="\_blank">16571602</a>).

**Cellular Location**

Nucleus. Nucleus, nucleolus. Cytoplasm. Note=In microspherules in the nucleolus

**Tissue Location**

Detected in testis, and at lower levels in spleen, thymus, prostate, uterus, small intestine, colon and leukocytes

**MCRS1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**MCRS1 Antibody (N-term) Blocking Peptide - Images****MCRS1 Antibody (N-term) Blocking Peptide - Background**

MCRS1 modulates the transcription repressor activity of DAXX by recruiting it to the nucleolus. May be an inhibitor of TERT telomerase activity.

**MCRS1 Antibody (N-term) Blocking Peptide - References**

Lin, W., et al. J. Cell. Mol. Med. 13 (11-12), 4608-4622 (2009) :Shi, H., et al. Cancer Sci. 100(9):1585-1590(2009)Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009)Wu, J.L., et al. BMC Cell Biol. 10, 9 (2009) :Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :