

MCRS1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16872A

Specification

MCRS1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O96EZ8
Other Accession	O99L90 , NP_006328.2 , NP_001012300.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51803
Antigen Region	35-63

MCRS1 Antibody (N-term) - 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

Target/Specificity

This MCRS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 35-63 amino acids from the N-terminal region of human MCRS1.

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

MCRS1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MCRS1 Antibody (N-term) - Protein Information

Name MCRS1

Synonyms INO80Q, MSP58

Function Modulates the transcription repressor activity of DAXX by recruiting it to the nucleolus (PubMed:[11948183](#)). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed:[20018852](#)). 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:[15044100](#)). Binds to G-quadruplex structures in mRNA (PubMed:[16571602](#)). Binds to RNA homomer poly(G) and poly(U) (PubMed:[16571602](#)).

Cellular Location

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

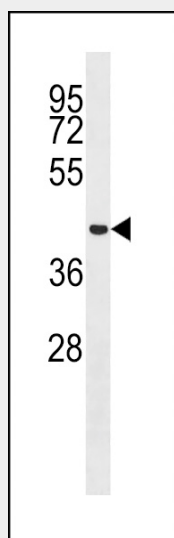
Tissue Location

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

MCRS1 Antibody (N-term) - 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](#)

MCRS1 Antibody (N-term) - Images

MCRS1 Antibody (N-term) (Cat. #AP16872a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the MCRS1 antibody detected the MCRS1 protein (arrow).

MCRS1 Antibody (N-term) - 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) - 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) :