

For Research Use Only

# MCRS1 Monoclonal antibody

Catalog Number: 60215-1-Ig



## Basic Information

<b>Catalog Number:</b> 60215-1-Ig	<b>GenBank Accession Number:</b> BC011794	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2400 µg/ml by Nanodrop and 1500 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10445	<b>CloneNo.:</b> 2H10E10
<b>Source:</b> Mouse	<b>Full Name:</b> microspherule protein 1	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 51 kDa	
<b>Immunogen Catalog Number:</b> AG1904	<b>Observed MW:</b> 55+110 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : ROS1728 cells, U2OS cells
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

MCRS1, also named INO80Q, MSP58 or p78, is a nucleolar protein expressed in the very early S phase. It modulates the transcription repressor activity of DAXX by recruiting it to the nucleolus. MCRS1 is also present on polyribosomes of synaptoneurosome as a novel RNA-binding protein to activate the rRNA transcription. The forkhead-associated domain of MCRS1 is involved in association with centrosomal protein Nde1, comprising a component of the centrosome and taking an essential role in viability. Its isoform MCRS2 might be a linker between telomere maintenance and cell-cycle regulation by interacting with LPTS/PinX1, a telomerase-inhibitory protein. MCRS1 is detected by Western blot as a highly modified protein at 78 kDa and minor bands at about 62 and 55 kDa.

## Storage

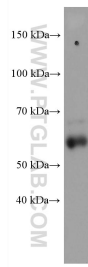
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



ROS1728 cells were subjected to SDS PAGE followed by western blot with 60215-1-Ig (MCRS1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.