

# MCRS1 Monoclonal antibody

Catalog Number: 60215-1-Ig

## Basic Information

## Catalog Number:

60215-1-Ig

## Size:

2400 µg/ml

## Source:

Mouse

## Isotype:

IgG2a

## Immunogen Catalog Number:

AG1904

## GenBank Accession Number:

BC011794

## GeneID (NCBI):

10445

## UNIPROT ID:

Q96EZ8

## Full Name:

microspherule protein 1

## Calculated MW:

51 kDa

## Observed MW:

55+110 kDa

## Purification Method:

Protein A purification

## CloneNo.:

2H10E10

## Recommended Dilutions:

WB 1:500-1:2000

## Applications

## Tested Applications:

WB, ELISA

## Species Specificity:

human, mouse, rat

## Positive Controls:

WB : ROS1728 cells, U2OS cells

## 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 LPT5/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

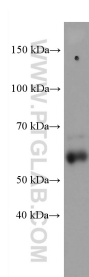
For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.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.