

For Research Use Only

# MCRS1 Polyclonal antibody

Catalog Number: 11362-1-AP **8 Publications**



## Basic Information

<b>Catalog Number:</b> 11362-1-AP	<b>GenBank Accession Number:</b> BC011794	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10445	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> microspherule protein 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 51 kDa	
<b>Immunogen Catalog Number:</b> AG1904	<b>Observed MW:</b> 55 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
ChIP, CoIP, IF, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** Jurkat cells, HeLa cells, human brain tissue, human liver tissue, human spleen tissue, mouse spleen tissue, mouse uterus tissue, rat spleen tissue

**IHC:** mouse testis tissue,

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Aindrija Chatterjee	27768893	Cell	WB
Tomasz Chelmicki	24842875	Elife	WB
John S Runge	29432129	G3 (Bethesda)	ChIP

## Storage

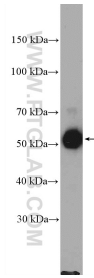
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

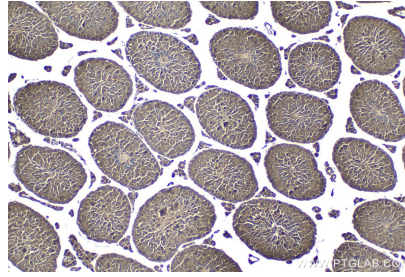
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 11362-1-AP (MCRS1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 11362-1-AP (MCRS1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).