

For Research Use Only

MCRS1 Polyclonal antibody

Catalog Number: 11362-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

11362-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

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 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF, CoIP, ChIP

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
Aindrila Chatterjee	27768893	Cell	WB
Tomasz Chelminski	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

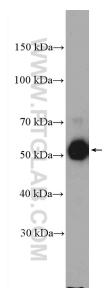
For technical support and original validation data for this product please contact:

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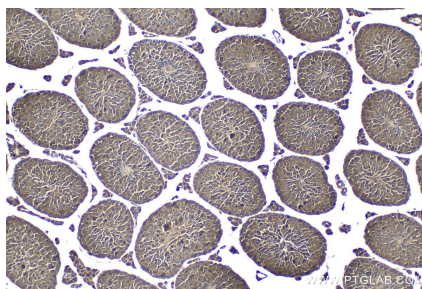
E: proteintech@ptglab.com
W: ptglab.com

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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).