

## MCRS1 Polyclonal Antibody

Catalog number: 11362-1-AP

Size: 45 µg/150 µl

Source: Rabbit

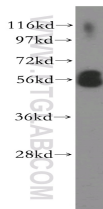
Isotype: IgG

Synonyms:

MCRS1; 58 kDa microspherule protein, ICP22BP, INO80

complex subunit J, INO80Q,

MCRS1, MCRS2, microspherule protein 1, MSP58, P78



HeLa cells were subjected to SDS PAGE followed by western blot with 11362-1-AP(MCRS1 antibody) at dilution of 1:500

### Background

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.

### Applications

|                         |  |
|-------------------------|--|
| Tested applications:    | ELISA, WB  |
| Cited applications:     | WB   |
| Species specificity:    | Human, Mouse, Rat; other species not tested.   |
| Cited species:          | Human, mouse   |
| Calculated MCRS1 MW:    | 51 kDa   |
| Observed MCRS1 MW:      | 55 kDa   |
| Positive WB detected in | HeLa cells, human brain tissue, human liver tissue, human spleen tissue, Jurkat cells, mouse spleen tissue, mouse uterus tissue, rat spleen tissue |
| Recommended dilution:   | WB: 1:500-1:5000   |

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

|                           |                         |
|---------------------------|-------------------------|
| Immunogen:                | Ag1904                  |
| GenBank accession number: | BC011794                |
| Gene ID (NCBI):           | 10445                   |
| Full name:                | Microspherule protein 1 |

### Product information

|                      |   |
|----------------------|---|
| Purification method: | Antigen affinity purification                                       |
| Storage:             | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |