



Rabbit Anti-MCRS1/p78 antibody

SL18734R

Product Name:	MCRS1/p78
Chinese Name:	细胞周期调控因子P78抗体
Alias:	58 kDa microspherule protein; Cell cycle regulated factor (78 kDa); Cell cycle regulated factor p78; Cell cycle-regulated factor p78; ICP22BP; INO80 complex subunit J; MCRS 1; MCRS 2; MCRS1; MCRS1_HUMAN; MCRS2; Microspherule protein 1; MSP 58; MSP58; p78.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	52kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MCRS1/p78:341-440/462
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	MSP58 is a 462 amino acid protein that localizes to the nucleus and contains one FHA domain. Expressed at high levels during the S phase of the cell cycle and present in testis, prostate, thymus, spleen and colon, MSP58 functions to modulate the transcriptional activity of Daxx (a transcriptional repressor) by recruiting Daxx to the

nucleolus. Additionally, MSP58 may play a role in the inhibition of TERT telomerase activity, further implicating MSP58 as an important protein in transcriptional regulation. The gene encoding MSP58 maps to human chromosome 12 and is expressed as multiple alternatively spliced isoforms. Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome and is associated with hypochondrogenesis, achondrogenesis and Kniest dysplasia.

Function:

Modulates the transcription repressor activity of DAXX by recruiting it to the nucleolus. May be an inhibitor of TERT telomerase activity.

Putative regulatory component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair.

Subcellular Location:

Nucleus. Nucleus > nucleolus. In microspherules in the nucleolus.

Tissue Specificity:

Detected in testis, and at lower levels in spleen, thymus, prostate, uterus, small intestine, colon and leukocytes.

Similarity:

Contains 1 FHA domain.

SWISS:

Q96EZ8

Gene ID:

10445

Database links:

[Entrez Gene: 10445](#) Human

[Entrez Gene: 51812](#) Mouse

[Entrez Gene: 300222](#) Rat

[Omim: 609504](#) Human

[SwissProt: Q96EZ8](#) Human

[SwissProt: Q99L90](#) Mouse

[Unigene: 25313](#) Human

[Unigene: 383472](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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