

Rabbit Anti-MCM3/Cy5 Conjugated antibody

SL1982R-Cy5

Product Name	Anti-MCM3/Cy5
Chinese Name	Cy5 标记的微小染色体维持缺陷蛋白 3 抗体
Alias	minichromosome maintenance deficient 3; Cervical cancer proto oncogene 5; DNA polymerase alpha holoenzyme associated P1; DNA polymerase alpha holoenzyme associated protein P1; DNA replication factor MCM3; DNA replication licensing factor MCM3; HCC 5; HCC5; hRlf beta subunit; Human cervical cancer proto oncogene 5; MCM 3; MCM3 minichromosome maintenance deficient 3; MGC1157; Minichromosome maintenance deficient 3; Minichromosome maintenance protein 3; P1 h; P1 MCM3; P1 Protein; P1.h; P102 protein; Replication licensing factor beta subunit; RLF beta subunit; RLF subunit beta; RLFB.
Research Area	Chromatin and nuclear signals
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	89kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human MCM3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background:

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein is a subunit of the protein complex that consists of MCM2-7. It has been shown to interact directly with MCM5/CDC46. This protein also interacts with and is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2012]

Subunit:

Component of the MCM2-7 complex. The complex forms a toroidal hexameric ring with the proposed subunit order MCM2-MCM6-MCM4-MCM7-MCM3-MCM5 (By similarity). Associated with the replication-specific DNA polymerase alpha. Interacts with MCMBP.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the MCM family.
Contains 1 MCM domain.

Database links:

[Entrez Gene: 4172](#) Human

[Entrez Gene: 17215](#) Mouse

[Entrez Gene: 316273](#) Rat

[Omim: 602693](#) Human

[SwissProt: P25205](#) Human

[SwissProt: P25206](#) Mouse

[Unigene: 179565](#) Human

[Unigene: 4502](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in



human, therapeutic or diagnostic applications.

MCM3 也是 MCMs1-7 个家族中重要的一员,与生物体 DNA 复制过程密切相关。