



## Rabbit Anti-MCM9 antibody

SL18729R

<b>Product Name:</b>	MCM9
<b>Chinese Name:</b>	微小染色体维持缺陷蛋白9抗体
<b>Alias:</b>	C6orf61 ; DNA replication licensing factor MCM9 ; hMCM9 ; MCMDC1 ; Mini-chromosome maintenance deficient 9 ; Mini-chromosome maintenance deficient domain-containing protein 1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	IHC-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.
<b>Molecular weight:</b>	44, 127kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MCM9:371-470/1143
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The protein encoded by this gene is a member of the mini-chromosome maintenance (MCM) protein family that are essential for the initiation of eukaryotic genome replication. Binding of this protein to chromatin has been shown to be a pre-requisite for recruiting the MCM2-7 helicase to DNA replication origins. This protein also binds, and is a positive regulator of, the chromatin licensing and DNA replication factor 1,

CDT1. [provided by RefSeq, Nov 2010]

**Function:**

Component of the MCM8-MCM9 complex, a complex involved in homologous recombination repair following DNA interstrand cross-links and plays a key role during gametogenesis. The MCM8-MCM9 complex probably acts as a hexameric helicase downstream of the Fanconi anemia proteins BRCA2 and RAD51 and is required to process aberrant forks into homologous recombination substrates and to orchestrate homologous recombination with resection, fork stabilization and fork restart.

**Subunit:**

Component of the MCM8-MCM9 complex, which forms a hexamer composed of MCM8 and MCM9.

**Subcellular Location:**

Nucleus

**Similarity:**

Belongs to the MCM family.  
Contains 1 MCM domain.

**SWISS:**

Q9NXL9

**Gene ID:**

254394

**Database links:**

[Entrez Gene: 254394](#) Human

[Entrez Gene: 361852](#) Rat

[Omim: 610098](#) Human

[SwissProt: Q9NXL9](#) Human

**Important Note:**

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