



Rabbit Anti-MCM-BP antibody

SL18727R

Product Name:	MCM-BP
Chinese Name:	微小染色体维持缺陷蛋白Binding protein抗体
Alias:	C10orf119 ; chromosome 10 open reading frame 119 ; MCM-binding protein ; MCM-BP ; mcmbp ; MCMBP_HUMAN ; Mini-chromosome maintenance complex-binding protein ; Minichromosome maintenance complex binding protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=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:	73kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MCM-BP:551-642/642
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:	This gene encodes a protein which is a component of the hexameric minichromosome maintenance (MCM) complex which regulates initiation and elongation of DNA. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

Function:

Associated component of the MCM complex that acts as a regulator of DNA replication. Binds to the MCM complex during late S phase and promotes the disassembly of the MCM complex from chromatin, thereby acting as a key regulator of pre-replication complex (pre-RC) unloading from replicated DNA. Can dissociate the MCM complex without addition of ATP; probably acts by destabilizing interactions of each individual subunits of the MCM complex. Required for sister chromatid cohesion.

Subunit:

Interacts with the MCM complex: associates with the MCM3-7 complex which lacks MCM2, while it does not interact with the MCM complex when MCM2 is present (MCM2-7 complex). Interacts with the RPA complex, when composed of all RPA1, RPA2 and RPA3 components, but not with RPA1 or RPA2 alone.

Subcellular Location:

Nucleus. Note: Associates with chromatin. Highly associated with chromatin in G1/S and S phases, reduced binding to chromatin in G2, and further decreased binding in early M phase. It then reassociates with chromatin in late M phase. Dissociates from chromatin later than component of the MCM complex.

Similarity:

Belongs to the MCMBP family.

SWISS:

Q9BTE3

Gene ID:

79892

Database links:

[Entrez Gene: 79892](#) Human

[Entrez Gene: 210711](#) Mouse

[Omim: 610909](#) Human

[SwissProt: Q9BTE3](#) Human

[SwissProt: Q8R3C0](#) Mouse

[SwissProt: B1H268](#) Rat

[Unigene: 124246](#) Human

[Unigene: 58882](#) Mouse

	<p>Important Note:</p>
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