

OriGene Technologies, Inc.

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Product datasheet for TA361927

MCM3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MCM3
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	93 kDa
Gene Name:	minichromosome maintenance complex component 3
Database Link:	<u>NP_001257401.1</u> <u>Entrez Gene 4172 Human</u> <u>P25205-2</u>



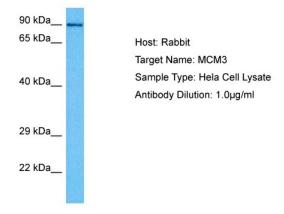
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MCM3 Rabbit Polyclonal Antibody – TA361927

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.
HCC5; MGC1157; P1-MCM3; P1.h; RLFB Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Protein Pathways:

Product images:



Cell cycle, DNA replication

Host: Rabbit Target Name: MCM3 Sample Tissue: Human Hela Whole Cell lysates Antibody Dilution: 1ug/ml

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