

Product datasheet for TA341695

MCM7 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-MCM7 antibody: synthetic peptide directed towards the middle

region of human MCM7. Synthetic peptide located within the following region:

LSTALARLRMVDVVEKEDVNEAIRLMEMSKDSLLGDKGQTARTQRPADVI

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

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 81 kDa

Gene Name: minichromosome maintenance complex component 7

Database Link: NP 005907

Entrez Gene 4176 Human

P33993



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Background: The protein encoded byThis gene is one ofThe highly conserved mini-chromosome

maintenance proteins (MCM) that are essential for The initiation of eukaryotic genome replication. The hexameric protein complex formed by The 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. The MCM complex consisting of This protein and MCM2, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with This protein, and may regulate The binding of This protein with The tumor suppressor protein RB1/RB. Alternatively spliced transcript variants encoding distinct

isoforms have been reported. [provided by RefSeq, Jul 2008]

Synonyms: CDC47; MCM2; P1.1-MCM3; P1CDC47; P85MCM; PNAS146; PPP1R104

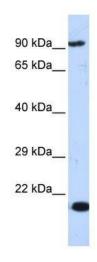
Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Mouse: 93%

Protein Families: Transcription Factors

Protein Pathways: Cell cycle, DNA replication

Product images:



WB Suggested Anti-MCM7 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: 293T cell lysate MCM7 is strongly supported by BioGPS gene expression data to be expressed in

Human HEK293T cells