

Product datasheet for TA341694

MCM4 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-MCM4 antibody: synthetic peptide directed towards the C terminal

of human MCM4. Synthetic peptide located within the following region:

KEELAEALKKLILSKGKTPALKYQQLFEDIRGQSDIAITKDMFEEALRAL

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

Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 95 kDa

Gene Name: minichromosome maintenance complex component 4

Database Link: NP 877423

Entrez Gene 4173 Human

P33991



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



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

maintenance proteins (MCM) that are essential forThe initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component ofThe pre-replication complex (pre_RC) and may be involved inThe formation of replication forks and inThe recruitment of other DNA replication related proteins. The MCM complex consisting ofThis protein and MCM2, 6 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation ofThis protein by CDC2 kinase reduces The DNA helicase activity and chromatin binding of The MCM complex. This gene is mapped to a region on The chromosome 8 head-to-head next to The PRKDC/DNA-PK, a DNA-activated protein kinase involved in The repair of DNA double-strand breaks. Alternatively spliced transcript variants encoding The same protein have been reported. [provided by

RefSeq, Jul 2008]

Synonyms: CDC21; CDC54; hCdc21; NKCD; NKGCD; P1-CDC21

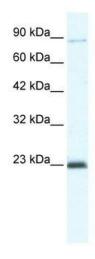
Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse:

100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Horse: 93%; Zebrafish: 86%

Protein Families: Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Cell cycle, DNA replication

Product images:



WB Suggested Anti-MCM4 Antibody Titration: 5.0 ug/ml; ELISA Titer: 1:312500; Positive Control: Jurkat cell lysate MCM4 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells