

Product datasheet for **TA349393S**

MCM6 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: 293T, A549, Raji, K562 and NIH/3T3 cells IHC: 100-300 Positive control: Human esophagus cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human MCM6
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	93 kDa
Gene Name:	minichromosome maintenance complex component 6
Database Link:	NP_005906 Entrez Gene 17219 Mouse Entrez Gene 29685 Rat Entrez Gene 4175 Human Q14566



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Background:

The protein encoded by this gene is one of the 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 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of the complex by CDC2 kinase reduces the helicase activity, suggesting a role in the regulation of DNA replication.

Synonyms:

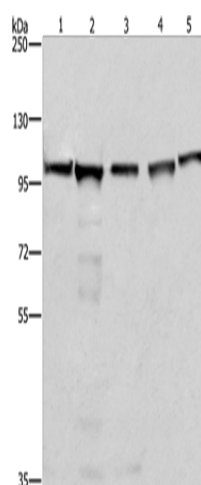
MCG40308; Mis5; P105MCM

Protein Families:

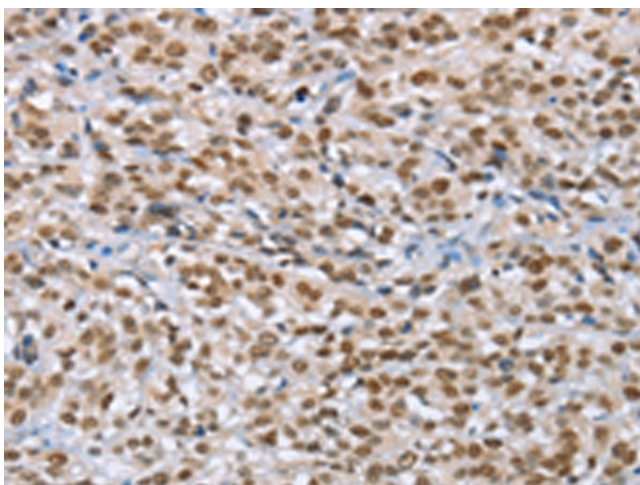
Stem cell - Pluripotency, Transcription Factors

Protein Pathways:

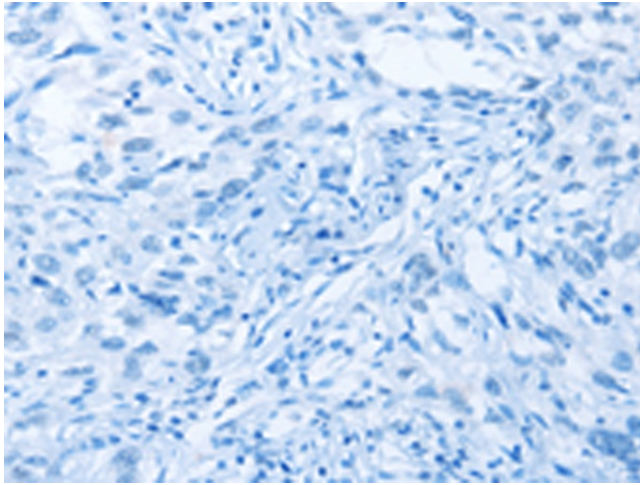
Cell cycle, DNA replication

Product images:

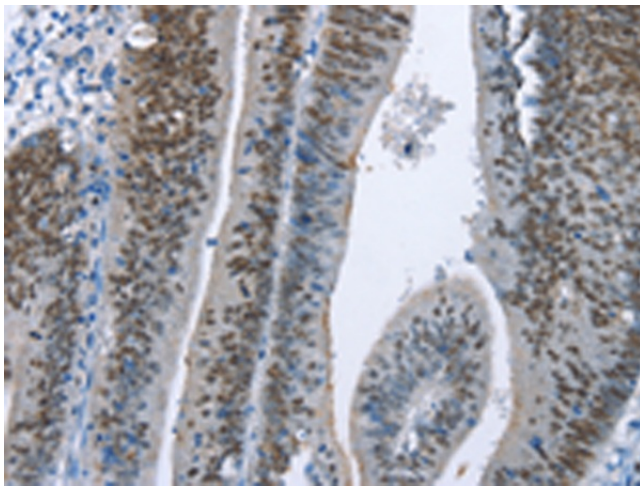
Gel: 10%SDS-PAGE
Lysate: 40 μ g
Lane 1-5: 293T cells
A549 cells
Raji cells
K562 cells
NIH/3T3 cells
Primary antibody: [TA349393] (MCM6 Antibody) at dilution 1/433.3
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 5 seconds



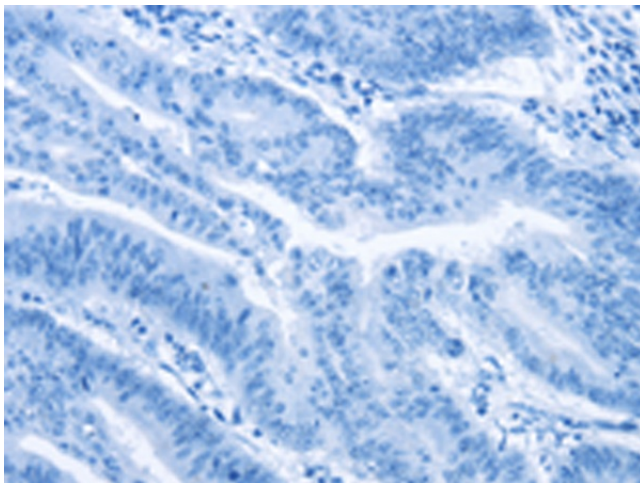
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA349393] (MCM6 Antibody) at dilution 1/60 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA349393] (MCM6 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA349393] (MCM6 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA349393] (MCM6 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)