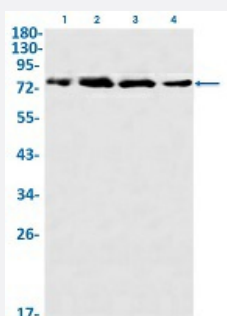


RecomAb™

MCM7 recombinant monoclonal antibody, clone R07-7A4

Catalog # RAB02114 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: K562, Lane 2: C6, Lane 3: 3T3 and Lane 4: HeLa lysates with MCM7 recombinant monoclonal antibody, clone R07-7A4 (Cat # RAB02114).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MCM7.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human MCM7.
Theoretical MW (kDa)	Calculated MW: 81 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at -20 °C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: K562, Lane 2: C6, Lane 3: 3T3 and Lane 4: Hela lysates with MCM7 recombinant monoclonal antibody, clone R07-7A4 (Cat # RAB02114).

Gene Info — MCM7

Entrez GeneID [4176](#)

Protein Accession# [P33993](#)

Gene Name MCM7

Gene Alias CDABP0042, CDC47, MCM2, P1.1-MCM3, P1CDC47, P85MCM, PNAS-146

Gene Description minichromosome maintenance complex component 7

Omim ID [600592](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 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]

Other Designations

DNA replication licensing factor MCM7|MCM7 minichromosome maintenance deficient 7|homolog of *S. cerevisiae* Cdc47|minichromosome maintenance deficient 7

Pathway

- [Cell cycle](#)

- [DNA replication](#)

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)