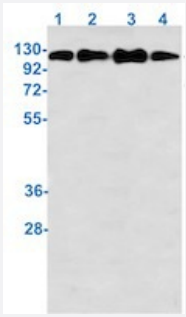
RecomAb™

MCM2 (phospho Ser27) recombinant monoclonal antibody, clone R08-4D8

Catalog # RAB01782 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: Hela, Lane 2: A549, Lane 3: HL-60 and Lane 4: U2OS lysates with MCM2 (phospho Ser27) recombinant monoclonal antibody, clone R08-4D8 (Cat # RAB01782).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MCM2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surroundin g Ser27 of human MCM2.
Theoretical MW (kDa)	Calculated MW: 102 k
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage	Immunofluorescence (1/50-1/200) Immunohistochemistry (1/50-1/100) Immunoprecipitation (1/20) 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 shoul d be handled by trained staff only.

Applications

- Western Blot

  Western blot analysis of Lane 1: Hela, Lane 2: A549, Lane 3: HL-60 and Lane 4: U2OS lysates with MCM2 (phospho Ser27) recombinant monoclonal antibody, clone R08-4D8 (Cat # RAB01782).

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

Gene Info — MCM2

Entrez GeneID	4171
Protein Accession#	P49736
Gene Name	MCM2
Gene Alias	BM28, CCNL1, CDCL1, D3S3194, KIAA0030, MGC10606, MITOTIN, cdc19
Gene Description	minichromosome maintenance complex component 2
Omim ID	116945
Gene Ontology	Hyperlink

Gene Summary	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 forms a complex with MCM4, 6, and 7, and has been sho wn to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulat ed by, protein kinases CDC2 and CDC7. [provided by RefSeq
Other Designations	DNA replication licensing factor MCM2|MCM2 minichromosome maintenance deficient 2, mitotin| cell devision cycle-like 1|cyclin-like 1|minichromosome maintenance deficient 2 (mitotin)|nuclear p rotein BM28

Pathway

- Cell cycle
- DNA replication

Disease

- Genetic Predisposition to Disease
- Ovarian Neoplasms