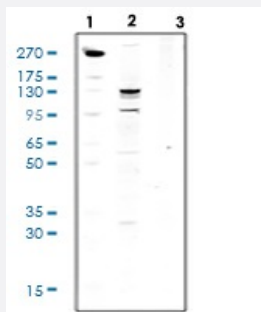


RecomAb™

# MCM2 recombinant monoclonal antibody, clone MCM2S139-B12

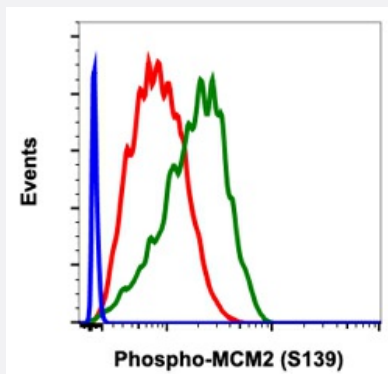
Catalog # RAB02858      Size 200 uL

## Applications



### Western Blot

Western blot analysis of L929 cell extract untreated or treated with 25 uM etoposide using Phospho-MCM2 (Ser139) antibody MCM2S139-B12 at 0.05 ug/mL.



### Flow Cytometry

Flow cytometric analysis of C6 cells, secondary antibody only negative control (blue) or untreated (red) or treated with staurosporine (green) using Phospho-MCM2 (Ser139) antibody MCM2S139-B12 at 0.01 ug/mL.

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MCM2.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser139 of human phospho MCM2
Reactivity	Human
Form	Liquid

Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% 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

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## Gene Info — MCM2

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

**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 shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by, protein kinases CDC2 and CDC7. [provided by RefSeq]

**Other Designations**

DNA replication licensing factor MCM2|MCM2 minichromosome maintenance deficient 2, mitotin|cell division cycle-like 1|cyclin-like 1|minichromosome maintenance deficient 2 (mitotin)|nuclear protein BM28

**Pathway**

- [Cell cycle](#)
- [DNA replication](#)

**Disease**

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)