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[Primary Antibody]

Recombinant Rabbit Anti-MCM2 Monoclonal Antibody

Catalog Number: SLA0777M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1/Kappa
Clonality:	Monoclonal
Clone No.:	3A5
SWISS:	P49736
Target:	MCM2
Immunogen:	Synthesized peptide derived from human MCM2
Purification:	affinity purified by Protein G
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse
Predicted MW.:	102 kDa
Background:	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. Multiple alternatively spliced transcript variants have been found , but the full-length nature of some variants has not been defined. [provided by RefSeq , Oct 2012]

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.