

**Product Name: Phospho-MCM2 (Ser41) Rabbit
Monoclonal Antibody
Catalog #: AMRe84842**

Summary

Production Name	Phospho-MCM2 (Ser41) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IP,IHC
Reactivity	Human,Rat,Hamster

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	Phospho-MCM2 (Ser41)
Alternative Names	MCM2; BM28; CCNL1; CDCL1; KIAA0030; DNA replication licensing factor MCM2; Minichromosome maintenance protein 2 homolog; Nuclear protein BM28
Gene ID	4171.0
SwissProt ID	P49736.A synthetic phosphopeptide corresponding to residues surrounding Ser41 of human MCM2

Application

Dilution Ratio	WB:1:500-1:1000,IP:1:10-1:20,IHC:1:50-1:100
Molecular Weight	Calculated MW: 102 kDa; Observed MW: 125 kDa

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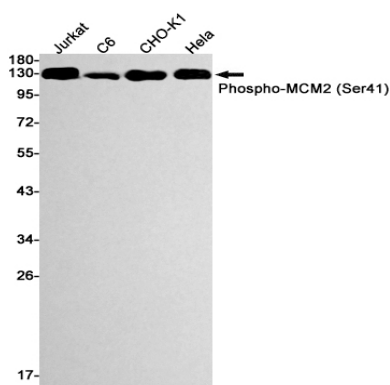


Background

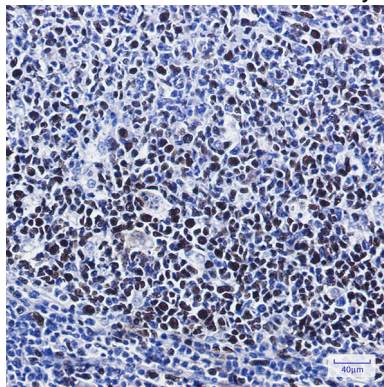
The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved 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]

Research Area

Image Data



Western blot analysis of Phospho-MCM2 (Ser41) in Jurkat, C6, CHO-K1, HeLa lysates using Phospho-MCM2 (Ser41) antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using MCM2 (Phospho- S41) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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Note

For research use only.