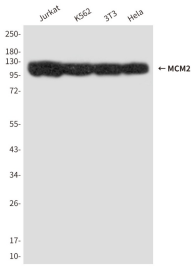
MCM2 (2B5) Mouse mAb

db6407 **Package : 50μL 100μL**

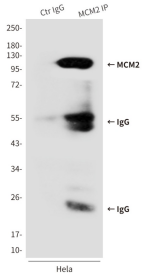
Product Name : MCM2 (2B5) Mouse mAb
Cat.No.: db6407
Synonyms : MCM2; BM28; CCNL1; CDCL1; KIAA0030; DNA replication licensing factor MCM2; Minichromosome maintenance protein 2 homolog; Nuclear protein BM28
Application : WB, IHC-Fr, IHC-P, ICC/IF, FC, IP
Reactivity : Human, Mouse
Host species : Mouse

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.
Immunogen	Purified recombinant fragment of human MCM2 expressed in E. Coli
Gene ID	4171
Swiss Prot	P49736
Synonyms	MCM2; BM28; CCNL1; CDCL1; KIAA0030; DNA replication licensing factor MCM2; Minichromosome maintenance protein 2 homolog; Nuclear protein BM28
Reactivity	Human, Mouse
Application	WB, IHC-Fr, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:500-1:1000 IHC: 1:50-1:100 ICC/IF: 1:50-1:200 IP: 1:20 FC: 1:50-1:100
Calculated MW	102 kDa
Observed MW	125 kDa
Host species	Mouse
Clonality	Monoclonal

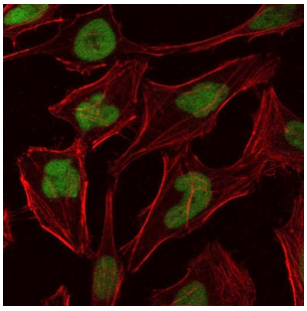
Clonality No.	2B5-H4-A9
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



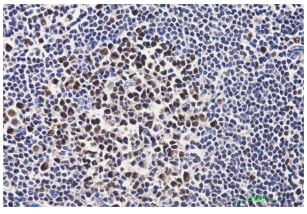
Western blot analysis of MCM2 in Jurkat, K562, 3T3 and Hela lysates using MCM2 antibody.



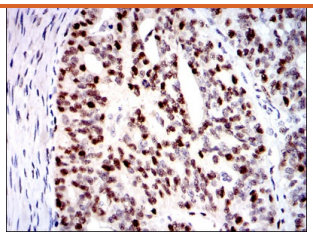
Immunoprecipitation analysis of MCM2 (2B5) in Hela lysates using MCM2 antibody.



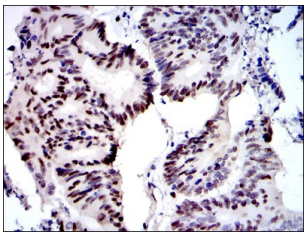
Immunofluorescence analysis of MCM2 (2B5) in Hela cells using MCM2 antibody(green),and DAPI (blue).



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using MCM2 (2B5) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded ovarian cancer tissues using MCM2 (2B5) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded colon cancer tissues using MCM2 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.