Recombinant DGRmAb®

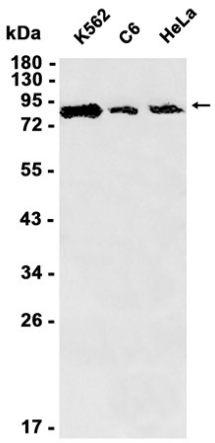
MCM7 (DGR17001) Rabbit mAb

db11990 **Package : 10μL 20μL 50μL 100μL**

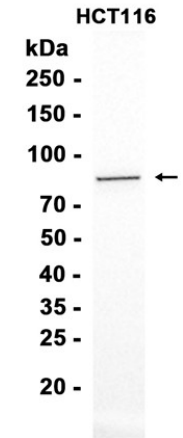
Product Name : MCM7 (DGR17001) Rabbit mAb
Cat.No.: db11990
Synonyms : MCM2; CDC47; P85MCM; P1CDC47; PNAS146; PPP1R104; P1.1-MCM3
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the 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. The MCM complex consisting of this protein and MCM2, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumorsuppressor protein RB1/RB. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human MCM7
Gene ID	4176
Swiss Prot	P33993
Synonyms	MCM2; CDC47; P85MCM; P1CDC47; PNAS146; PPP1R104; P1.1-MCM3
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000 IHC-P: 1:50 ICC/IF: 1:50 FC: 1:20 IP: 1:20
Calculated MW	81 kDa
Observed MW	81 kDa
Host species	Rabbit

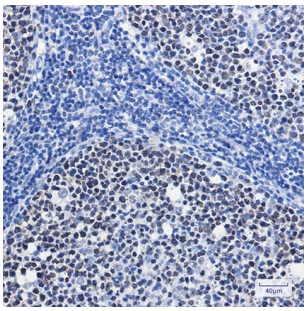
Clonality	Monoclonal
Clonality No.	DGR17001
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



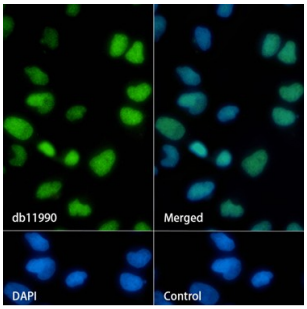
Western blot analysis of extracts from K562, C6, HeLa cells using db11990 at 1:1000.



Western blot analysis of extracts from HCT116 cells using db11990 at 1:2000.



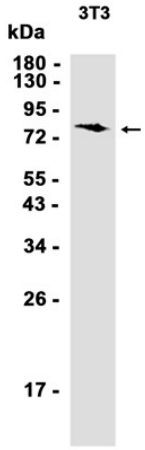
Immunohistochemical analysis of paraffin-embedded human tonsil using db11990 antibody.



Immunofluorescence analysis of HeLa cells labelling MCM7 with db11990.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11990(1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.



Western blot analysis of extracts from 3T3 cells using db11990 at 1:1000.