Recombinant DGRmAb®

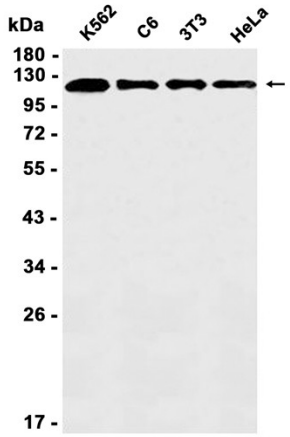
MCM2 (DGR20534) Rabbit mAb

db11270 **Package : 10μL 20μL 50μL 100μL**

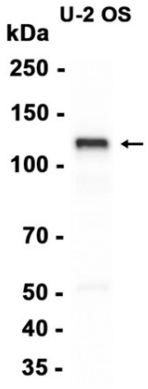
Product Name : MCM2 (DGR20534) Rabbit mAb
Cat.No.: db11270
Synonyms : BM28; CCNL1; CDCL1; cdc19; DFNA70; D3S3194; MITOTIN
Application : WB, IHC, ICC/IF, FC
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are 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]
Immunogen	A synthetic peptide of human MCM2
Gene ID	4171
Swiss Prot	P49736
Synonyms	BM28; CCNL1; CDCL1; cdc19; DFNA70; D3S3194; MITOTIN
Reactivity	Human, Mouse, Rat
Application	WB, IHC, ICC/IF, FC
Recommended dilution	WB: 1:1000-1:5000 IHC: 1:200 ICC/IF: 1:200-1:1000 FC: 1:100-1:200
Calculated MW	102 kDa
Observed MW	125 kDa
Host species	Rabbit

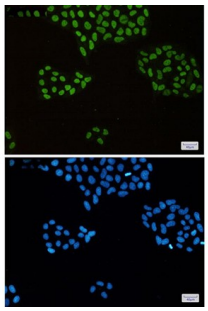
Clonality	Monoclonal
Clonality No.	DGR20534
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from K562, C6, 3T3, and HeLa cells using db11270 at 1:1000.



Western blot analysis of extracts from U-2 OS cells using db11270 at 1:1000.



Immunofluorescent analysis of HeLa cells using db11270 antibody (green), and DAPI (blue).

Immunofluorescence analysis of K562 cells labelling MCM2 with db11270.

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 db11270 (1:200) 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.