Recombinant DGRmAb®

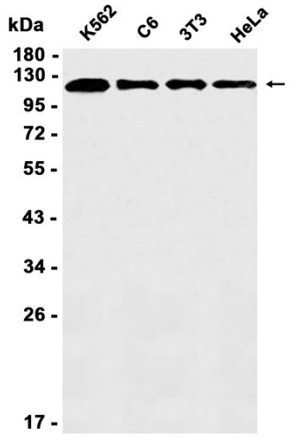
MCM2 (DGR20534) Rabbit mAb (PBS Only)

db11270-PBS **Package : 10μg 100μg**

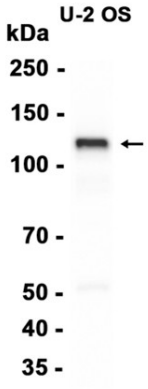
Product Name : MCM2 (DGR20534) Rabbit mAb (PBS Only)
Cat.No.: db11270-PBS
Synonyms : BM28; CCNL1; CDCL1; cdc19; DFNA70; D3S3194; MITOTIN
Application : WB, IHC, ICC/IF, FC
Reactivity : Human, Mouse, Rat
Host species : Rabbit

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
Calculated MW	102 kDa
Observed MW	125 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR20534
Isotype	IgG

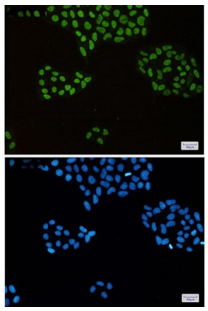
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



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.