Recombinant DGRmAb®

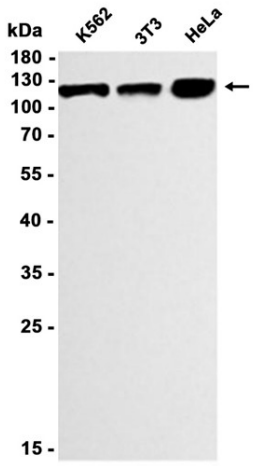
# Phospho-MCM2 (Ser108) (DGR13388) Rabbit mAb

**db11069** **Package : 10μL 20μL 50μL 100μL**

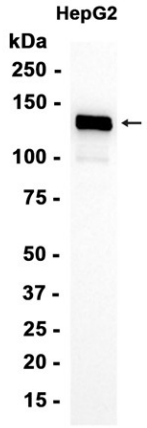
**Product Name :** Phospho-MCM2 (Ser108) (DGR13388) Rabbit mAb
**Cat.No.:** db11069
**Synonyms :** BM28; CCNL1; CDCL1; cdc19; DFNA70; D3S3194; MITOTIN
**Application :** WB, ICC/IF, IP
**Reactivity :** Human, Mouse, Rat
**Host species :** Rabbit

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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] |
| **Immunogen** | A synthetic phosphopeptide corresponding to residues surrounding Ser108 of human MCM2 |
| **Gene ID** | 4171 |
| **Swiss Prot** | P49736 |
| **Synonyms** | BM28; CCNL1; CDCL1; cdc19; DFNA70; D3S3194; MITOTIN |
| **Reactivity** | Human, Mouse, Rat |
| **Application** | WB, ICC/IF, IP |
| **Recommended dilution** | WB: 1:1000<br>ICC/IF: 1:50<br>IP: 1:20 |
| **Calculated MW** | 102 kDa |
| **Observed MW** | 125 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |

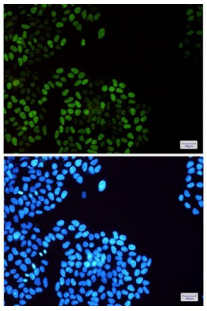
| | |
|---|---|
| **Clonality No.** | DGR13388 |
| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |



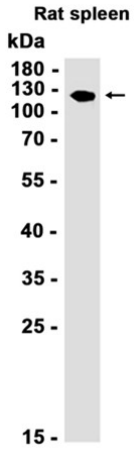

Western blot analysis of extracts from K562, 3T3, HeLa cells using db11069 at 1:1000.




Western blot analysis of extracts from HepG2 cells using db11069 at 1:1000.



Immunofluorescent analysis of HeLa cells using db11069 antibody (green), and DAPI (blue).




Western blot analysis of extracts from Rat spleen tissue using db11069 at 1:1000.