Recombinant DGRmAb®

# MCM5 (DGR11538) Rabbit mAb (PBS Only)

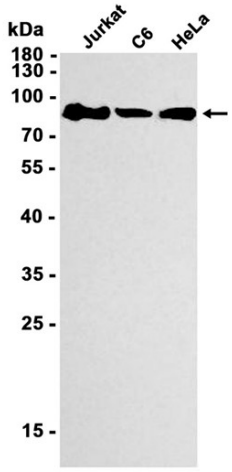
**db11957-PBS** **Package : 10μg 100μg**

**Product Name :** MCM5 (DGR11538) Rabbit mAb (PBS Only)
**Cat.No.:** db11957-PBS
**Synonyms :** CDC46; MGORS8; P1-CDC46
**Application :** WB, IHC-P, ICC/IF, FC, IP
**Reactivity :** Human, Mouse, Rat
**Host species :** Rabbit

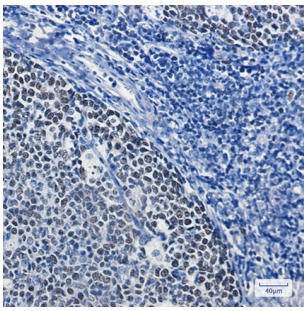
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|---|---|
| **Background** | The protein encoded by this gene is structurally very similar to the CDC46 protein from S. cerevisiae, a protein involved in the initiation of DNA replication. The encoded protein is a member of the MCM family of chromatin-binding proteins and can interact with at least two other members of this family. The encoded protein is upregulated in the transition from the G0 to G1/S phase of the cell cycle and may actively participate in cell cycle regulation. [provided by RefSeq, Jul 2008] |
| **Immunogen** | A synthetic peptide of human MCM5 |
| **Gene ID** | 4174 |
| **Swiss Prot** | P33992 |
| **Synonyms** | CDC46; MGORS8; P1-CDC46 |
| **Reactivity** | Human, Mouse, Rat |
| **Application** | WB, IHC-P, ICC/IF, FC, IP |
| **Calculated MW** | 82 kDa |
| **Observed MW** | 82 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR11538 |
| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Concentration** | 1 mg/mL |

**Formulation** PBS Only

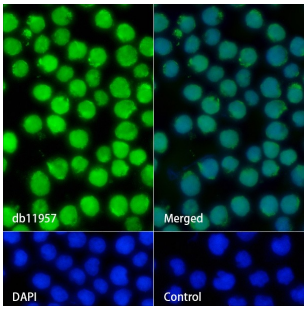
**Storage Stability** Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.




Western blot analysis of extracts from Jurkat, C6, and HeLa cells using db11957 at 1:1000.



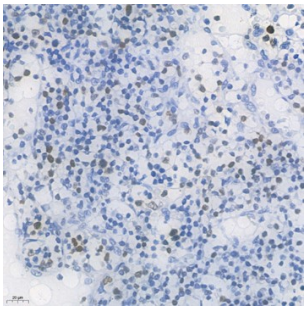
Immunohistochemical analysis of paraffin-embedded human tonsil using db11957 antibody.



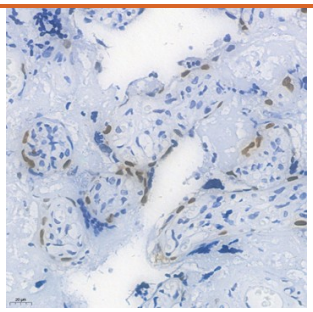

Immunofluorescence analysis of Jurkat cells labelling MCM5 with db11957.

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 db11957 (1:100) 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.

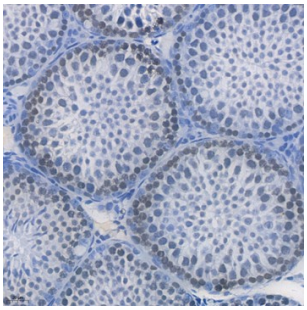
Control: Secondary antibody only.



Immunohistochemical analysis of paraffin-embedded human lymph node carcinoma tissue labeling MCM5 with db11957. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human placental tissue labeling MCM5 with db11957. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse testicular tissue labeling MCM5 with db11957. Counter stained with Hematoxylin.