

**Product Name: MCM2 (6N7) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe13718**

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## Summary

|                        |                                       |
|------------------------|---------------------------------------|
| <b>Production Name</b> | MCM2 (6N7) Rabbit Monoclonal Antibody |
| <b>Description</b>     | Rabbit Monoclonal Antibody            |
| <b>Host</b>            | Rabbit                                |
| <b>Application</b>     | WB,ELISA                              |
| <b>Reactivity</b>      | Human                                 |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Monoclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.   |
| <b>Buffer</b>       | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Purification</b> | Affinity purification  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | MCM2  |
| <b>Alternative Names</b> | BM28; CCNL1; cdc19; CDCL1; Cyclin like 1; MCM2; |
| <b>Gene ID</b>           | 4171.0  |
| <b>SwissProt ID</b>      | P49736.   |

## Application

|                         |                 |
|-------------------------|-----------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000 |
| <b>Molecular Weight</b> | 102kDa          |

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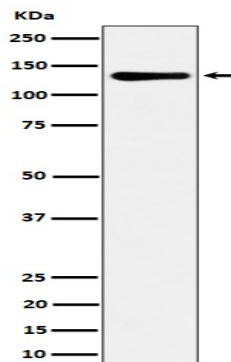


## Background

Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for the entry in S phase and for cell division. Plays a role in terminally differentiated hair cells development of the cochlea and induces cells apoptosis.

## Research Area

## Image Data



Western blot analysis of MCM2 expression in HeLa cell lysate.

## Note

For research use only.