

## CAB1955

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**Product Information**

|                     |         |                      |        |                    |                 |
|---------------------|---------|----------------------|--------|--------------------|-----------------|
| <b>Product SKU:</b> | CAB1955 | <b>Gene ID:</b>      | 4175   | <b>Size:</b>       | 20uL, 100uL     |
| <b>Clone No:</b>    | -       | <b>Host Species:</b> | Rabbit | <b>Reactivity:</b> | Human,Mouse,Rat |

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**Additional Information**

|                       |        |                   |              |
|-----------------------|--------|-------------------|--------------|
| <b>Observed MW:</b>   | 110kDa | <b>Conjugate:</b> | Unconjugated |
| <b>Calculated MW:</b> | 93kDa  | <b>Isotype:</b>   | IgG          |

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**Immunogen Information**

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|------------------------------|--|
| <b>Background:</b>           | The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the 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. The MCM complex consisting of this protein and MCM2, 4 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of the complex by CDC2 kinase reduces the helicase activity, suggesting a role in the regulation of DNA replication. Single nucleotide polymorphisms in the intron regions of this gene are associated with differential transcriptional activation of the promoter of the neighboring lactase gene and, thereby, influence lactose intolerance in early adulthood. |
| <b>Recommended Dilution:</b> | WB,1:500 - 1:2000 IF/ICC,1:50 - 1:200 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cells  |
| <b>Synonyms:</b>             | Mis5; P105MCM; MCG40308; MCM6  |
| <b>Purification Method:</b>  | Affinity purification  |
| <b>Immunogen:</b>            | Recombinant fusion protein containing a sequence corresponding to amino acids 562-821 of human MCM6 (NP_005906.2).   |
| <b>Storage:</b>              | Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.   |