

## Datasheet for ABIN5703913 **anti-MCM3 antibody**

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### Overview

|              |                                                        |
|--------------|--------------------------------------------------------|
| Quantity:    | 100 µg                                                 |
| Target:      | MCM3                                                   |
| Reactivity:  | Human, Mouse, Rat                                      |
| Host:        | Rabbit                                                 |
| Clonality:   | Polyclonal                                             |
| Conjugate:   | This MCM3 antibody is un-conjugated                    |
| Application: | Western Blotting (WB), ELISA, Immunoprecipitation (IP) |

### Product Details

|            |                                                |
|------------|------------------------------------------------|
| Immunogen: | minichromosome maintenance complex component 3 |
| Isotype:   | IgG                                            |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | MCM3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Alternative Name: | MCM3 ( <a href="#">MCM3 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Background:       | Synonyms:HCC5 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 is a subunit of the protein complex that consists of MCM2-7. It has been shown to interact |

## Target Details

directly with MCM5/CDC46. This protein also interacts with and is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression. Two transcript variants encoding different isoforms have been found for this gene.

Molecular Weight: 102-105 kDa

Gene ID: 4172

UniProt: [P25205](#)

Pathways: [DNA Damage Repair](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Chromatin Binding](#), [Synthesis of DNA](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze / thaw cycles.

Storage: -20 °C

Expiry Date: 12 months