

## Rabbit MCM3 Polyclonal Antibody | anti-MCM3 antibody

MCM3 antibody - C-terminal region

| CATALOG # | HOST   | REACTIVITY                                                  | APPLICATIONS                       |
|-----------|--------|-------------------------------------------------------------|------------------------------------|
| AAA198104 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat | Western Blot, Immunohistochemistry |

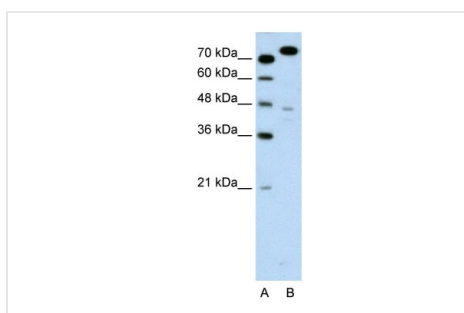
### PRODUCT SYNONYMS

MCM3; Polyclonal Antibody; MCM3 antibody - C-terminal region; anti-MCM3 antibody

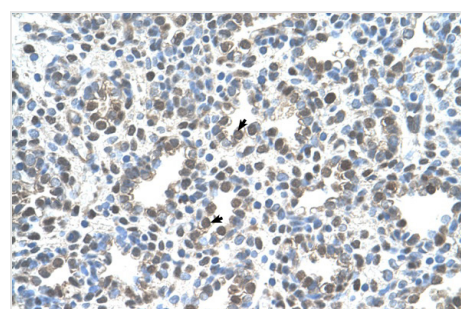
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat                                                                                           |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: SQ EDQEQKRKR KTRQPDADG DSYDPYDFSD TEEEMPQVHT PKTADSQE                                                    |
| Sequence Length                                | 808                                                                                                                                                   |
| Applicable Applications for anti-MCM3 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Homology                                       | Cow: 92%; Dog: 93%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 92%; Pig: 100%; Rabbit: 93%; Rat: 100%                                          |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the C terminal region of human MCM3                                                             |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-MCM3 Antibody Titration: 0.2-1 ug/ml  
Positive Control: Jurkat cell lysate  
MCM3 is supported by BioGPS gene expression data to be expressed in Jurkat


**IHC (Immunohistochemistry)**

Human Lung

## ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MCM3 antibody | <p>This is a rabbit polyclonal antibody against MCM3. It was validated on Western Blot and immunohistochemistry</p> <p>Target Description: MCM3 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 directly with MCM5/CDC46. This protein also interacts with, and thus is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression. 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 directly with MCM5/CDC46. This protein also interacts with, and thus is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression.</p> |
| Product Categories/Family for anti-MCM3 antibody   | Polyclonal; Cell Cycle Proteins; Chromatin & Nuclear Signaling; Epigenetics; Meiosis/Mitosis/Cell Cycle; Immunohistochemistry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 1484505935                                      |
| NCBI GeneID                      | 4172                                            |
| NCBI Accession #                 | NP_002379                                       |
| NCBI GenBank Nucleotide #        | NM_002388                                       |
| UniProt Accession #              | P25205                                          |
| Molecular Weight                 | 89kDa                                           |
| NCBI Official Full Name          | DNA replication licensing factor MCM3 isoform 1 |
| NCBI Official Synonym Full Names | minichromosome maintenance complex component 3  |
| NCBI Official Symbol             | MCM3                                            |
| NCBI Official Synonym Symbols    | HCC5; P1.h; RLFB; P1-MCM3                       |
| NCBI Protein Information         | DNA replication licensing factor MCM3           |
| UniProt Protein Name             | DNA replication licensing factor MCM3           |
| UniProt Gene Name                | <b>MCM3</b>                                     |
| UniProt Entry Name               | MCM3_HUMAN                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mcm3-antibody-western-blot-immunohistochemistry-elisa/198104>