

For Research Use Only

# MCM2 Monoclonal antibody

Catalog Number: 66204-1-Ig **Featured Product**



## Basic Information

|  |   |  |
|--|---|--|
| <b>Catalog Number:</b><br>66204-1-Ig   | <b>GenBank Accession Number:</b><br>BC007670                        | <b>Purification Method:</b><br>Protein G purification                                  |
| <b>Size:</b><br>150ul , Concentration: 800 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>4171                                       | <b>CloneNo.:</b><br>1F4D10   |
| <b>Source:</b><br>Mouse  | <b>Full Name:</b><br>minichromosome maintenance complex component 2 | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IHC 1:50-1:500<br>IF 1:200-1:800 |
| <b>Isotype:</b><br>IgG1  | <b>Calculated MW:</b><br>102 kDa                                    |  |
| <b>Immunogen Catalog Number:</b><br>AG0798   | <b>Observed MW:</b><br>120-125 kDa                                  |  |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>IF, IHC, WB, ELISA  | <b>Positive Controls:</b>  |
| <b>Species Specificity:</b><br>human, mouse, rat   | <b>WB :</b> HeLa cells, K-562 cells, HEK-293 cells, A431 cells, 4T1 cells, A549 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> | <b>IHC :</b> human prostate cancer tissue,<br><b>IF :</b> MCF-7 cells,   |

## Background Information

### Storage

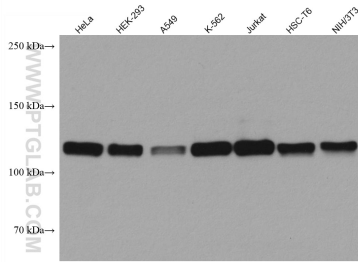
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

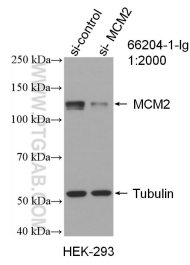
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

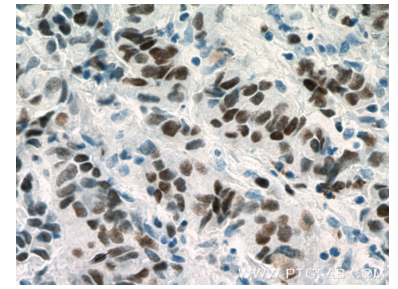
## Selected Validation Data



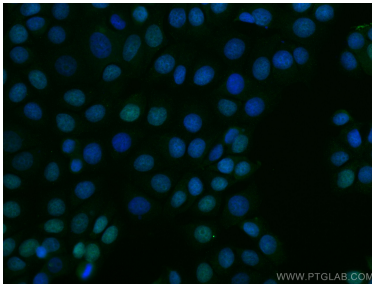
Various lysates were subjected to SDS PAGE followed by western blot with 66204-1-Ig (MCM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of MCM2 antibody (66204-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MCM2 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66204-1-Ig (MCM2 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using MCM2 antibody (66204-1-Ig, Clone: 1F4D10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).