

## MCM3 Rabbit mAb

Catalog No: #52007

Package Size: #52007-1 50ul #52007-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

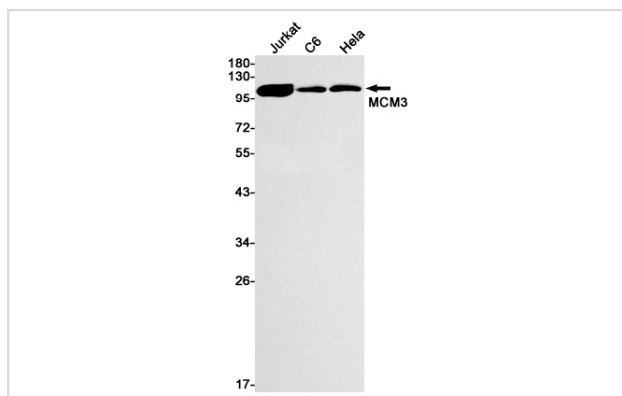
## Description

Product Name	MCM3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S04-6B9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human MCM3
Conjugates	Unconjugated
Modification	Unmodification
Other Names	MCM3; HCC5; P1-MCM3; P1.h; RLFB;
Accession No.	Swiss-Prot:P25205GenelD:4172
Uniprot	P25205
GenelD	4172
Calculated MW	Calculated MW: 91 kDa; Observed MW: 100 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

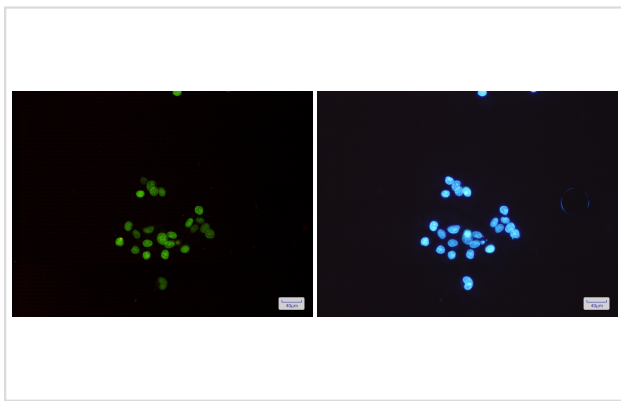
## Application Details

WB: 1/1000-1/5000; IHC: 1/20-1/100; ICC/IF: 1/20-1/50;

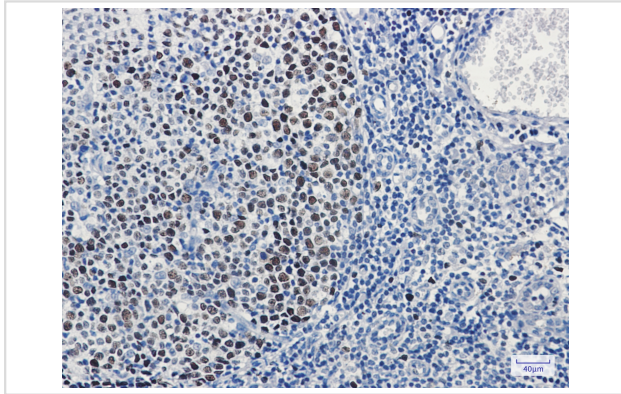
## Images



Western blot detection of MCM3 in Jurkat,C6,HeLa cell lysates using MCM3 Rabbit mAb(1:1000 diluted).Predicted band size:91kDa.Observed band size:100kDa.



Immunofluorescence of MCM3(green) in HeLa cells using MCM3 Rabbit mAb at dilution 1/200, and DAPI(blue)



Immunohistochemistry of MCM3 in paraffin-embedded Human tonsil using MCM3 Rabbit mAb at dilution 1/1

## 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. 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 DNA replication and cell proliferation.

Note: This product is for in vitro research use only