

## MCM3 Antibody

Catalog No: #31099

Package Size: #31099-1 50ul #31099-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	MCM3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total MCM3 protein.
Immunogen Type	Recombinant protein
Immunogen Description	Fusion protein corresponding to C terminal 300 amino acids of human minichromosome maintenance complex component 3
Target Name	MCM3
Other Names	minichromosome maintenance complex component 3, HCC5, P1.h, RLFB, P1-MCM3
Accession No.	Swiss-Prot:P25205Gene ID:4172;
Uniprot	P25205
GeneID	4172;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C/1 year

## Application Details

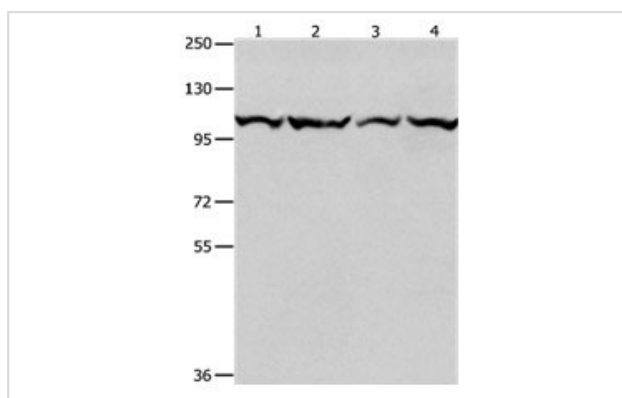
Predicted MW: 91kd

ELISA: 1:1000-1:5000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

## Images



Gel: 8%SDS-PAGE

Lane1: K562 cell lysate

Lane2: Jurkat cell lysate

Lane3: HeLa cell lysate

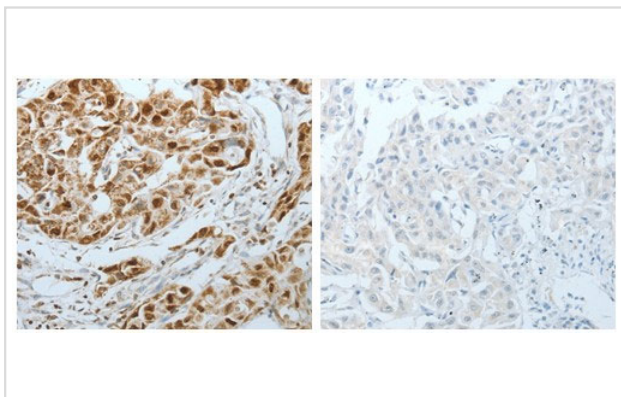
Lane4: 293T cell lysate

Lysates: 40 ug per lane

Primary antibody: 1/550 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at 1/10000 dilution

Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded human lung cancer tissue using 31099 (MCM3 Antibody) at dilution 1/30, on the right is treated with the fusion protein.

## 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 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.

Note: This product is for in vitro research use only