

Datasheet for ABIN7150334  
**anti-MCM4 antibody (AA 2-141)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µg
Target:	MCM4
Binding Specificity:	AA 2-141
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCM4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human DNA replication licensing factor MCM4 protein (2-141AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

## Target Details

Target:	MCM4
Alternative Name:	MCM4 ( <a href="#">MCM4 Products</a> )
Background:	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

## Target Details

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.

Aliases: 19G antibody, AI325074 antibody, AU045576 antibody, CDC 21 antibody, CDC 54 antibody, CDC21 antibody, CDC21 homolog antibody, CDC21, *S. pombe*, homolog of antibody, CDC54 antibody, Cell division cycle 21, *S. pombe*, homolog of antibody, DNA replication licensing factor MCM 4 antibody, DNA replication licensing factor MCM4 antibody, hCdc 21 antibody, hCdc21 antibody, Homolog of *S. pombe* cell division cycle 21 antibody, KIAA4003 antibody, mcxdc21 antibody, MCM 4 antibody, MCM 4 minichromosome maintenance deficient 4 antibody, mcm4 antibody, MCM4 minichromosome maintenance deficient 4 antibody, MCM4 minichromosome maintenance deficient 4, mitotin (*S. cerevisiae*) antibody, MCM4\_HUMAN antibody, Mcmd4 antibody, MGC33310 antibody, Minichromosome maintenance 4 antibody, Minichromosome maintenance complex component 4 antibody, Minichromosome maintenance deficient (*S. cerevisiae*) 4 antibody, Minichromosome maintenance deficient 4 antibody, Minichromosome maintenance deficient 4 homolog (*S. cerevisiae*) antibody, Minichromosome maintenance, *S. cerevisiae*, homolog of, 4 antibody, mKIAA4003 antibody, NKCD antibody, NKGCD antibody, P1 CDC21 antibody, P1-CDC21 antibody, P1CDC21 antibody

UniProt: [P33991](#)

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

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

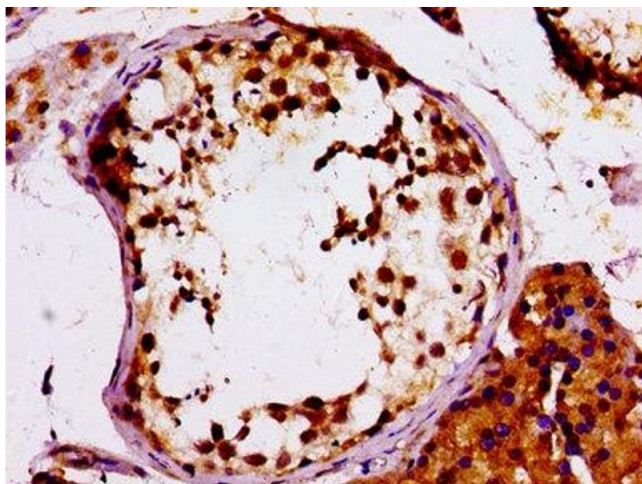
## Handling

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

Storage: -20 °C, -80 °C

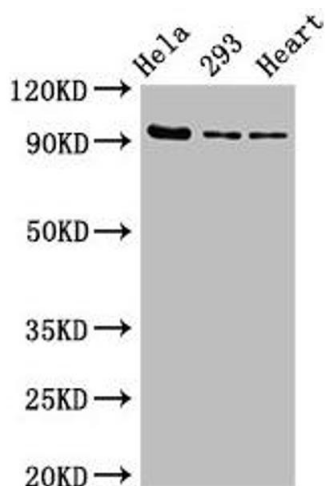
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



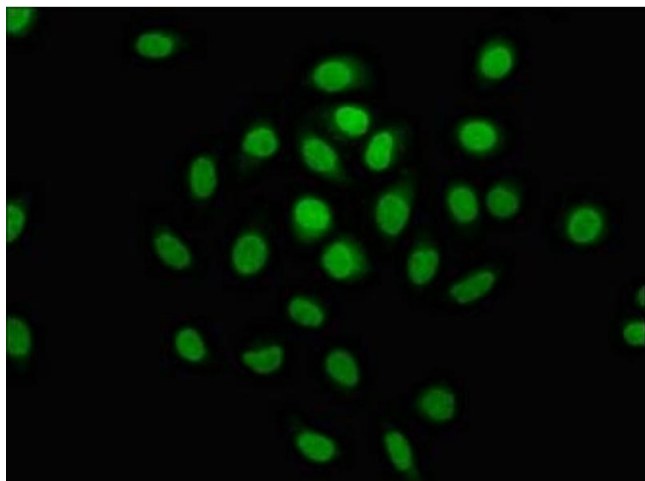
### Immunohistochemistry

**Image 1.** IHC image of ABIN7150334 diluted at 1:100 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: HeLa whole cell lysate, 293 whole cell lysate, Rat heart tissue All lanes: MCM4 antibody at 2.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 97 kDa Observed band size: 97 kDa



#### Immunofluorescence

**Image 3.** Immunofluorescence staining of A549 cells with ABIN7150334 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).