

Datasheet for ABIN6263158  
**anti-MCM2 antibody (N-Term)**



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4 Images

## Overview

Quantity:	100 µL
Target:	MCM2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCM2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human MCM2, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	MCM2 Antibody detects endogenous levels of total MCM2.
Predicted Reactivity:	Pig,Horse,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	MCM2
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## Target Details

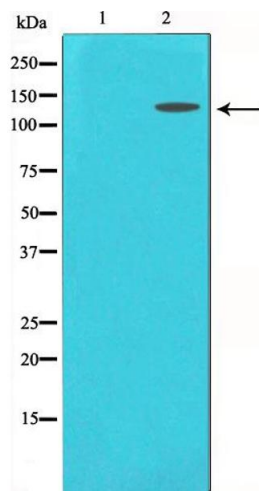
Alternative Name:	MCM2 ( <a href="#">MCM2 Products</a> )
Background:	<p>Description: Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites 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 the entry in S phase and for cell division. Plays a role in terminally differentiated hair cells development of the cochlea and induces cells apoptosis.</p> <p>Gene: MCM2</p>
Molecular Weight:	120kDa
Gene ID:	4171
UniProt:	<a href="#">P49736</a>
Pathways:	<a href="#">DNA Damage Repair</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Chromatin Binding</a> , <a href="#">Synthesis of DNA</a>

## Application Details

Application Notes:	WB: 1:500-1:3000, IHC: 1:50-1:200, IF/ICC: 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

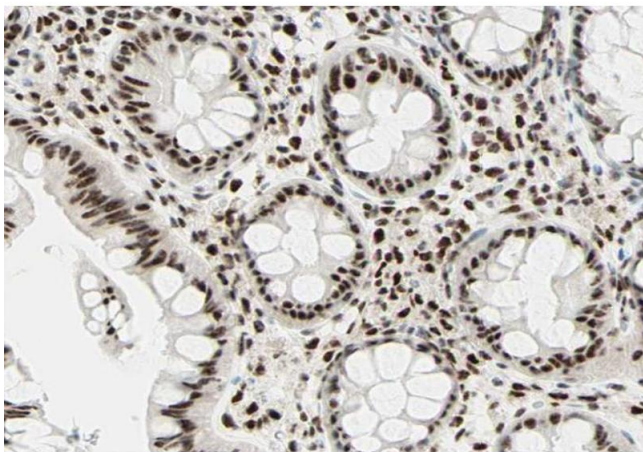
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.



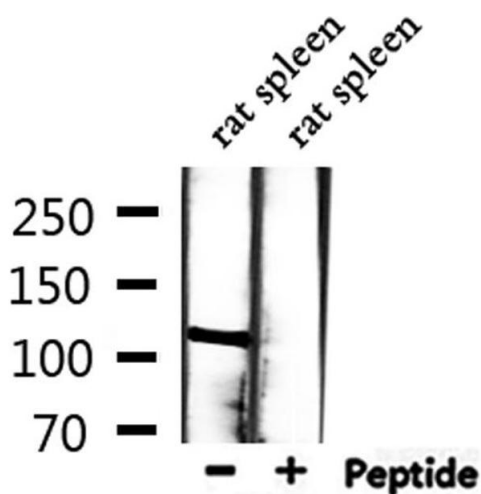
**Western Blotting**

**Image 1.** Western blot analysis on 293 cell lysate using MCM2 Antibody. The lane on the left is treated with the antigen-specific peptide.



**Immunohistochemistry**

**Image 2.** ABIN6266586 at 1/100 staining human colon carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 °C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**Western Blotting**

**Image 3.** Western blot analysis of extracts from rat spleen, using MCM2 Antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6263158.