

## Datasheet for ABIN7599513 **anti-MCM9 antibody (AA 1-644)**



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### Overview

Quantity:	100 µg
Target:	MCM9
Binding Specificity:	AA 1-644
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCM9 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

### Product Details

Purpose:	Anti-MCM9 Antibody Picoband®
Immunogen:	E.coli-derived human MCM9 recombinant protein (Position: M1-L644). Human MCM9 shares 92.7% and 93% amino acid (aa) sequence identity with mouse and rat MCM9, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-MCM9 Antibody Picoband® (ABIN7599513). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	MCM9
Alternative Name:	MCM9 ( <a href="#">MCM9 Products</a> )
Background:	<p>Synonyms: MCM9, C6orf61, MCMD1, DNA helicase MCM9, hMCM9, EC 3.6.4.12, Mini-chromosome maintenance deficient domain-containing protein 1, Minichromosome maintenance 9</p> <p>Background: The protein encoded by this gene is a member of the mini-chromosome maintenance (MCM) protein family that are essential for the initiation of eukaryotic genome replication. Binding of this protein to chromatin has been shown to be a pre-requisite for recruiting the MCM2-7 helicase to DNA replication origins. This protein also binds, and is a positive regulator of, the chromatin licensing and DNA replication factor 1, CDT1.</p>
Molecular Weight:	127 kDa
Gene ID:	254394

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, Human</p> <p>1. Fauchereau, F., Shalev, S., Chervinsky, E., Beck-Fruchter, R., Legois, B., Fellous, M., Caburet, S., Veitia, R. A. A non-sense MCM9 mutation in a familial case of primary ovarian insufficiency. Clin. Genet. 89: 603-607, 2016. 2. Lutzmann, M., Grey, C., Traver, S., Ganier, O., Maya-Mendoza, A., Ranisavljevic, N., Bernex, F., Nishiyama, A., Montel, N., Gavois, E., Forichon, L., de Massy, B., Mechali, M. MCM8- and MCM9-deficient mice reveal gametogenesis defects and genome instability due to impaired homologous recombination. Molec. Cell 47: 523-534, 2012. 3. Lutzmann, M., Maiorano, D., Mechali, M. Identification of full genes and proteins of MCM9, a novel, vertebrate-specific member of the MCM2-8 protein family. Gene 362: 51-56, 2005.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.

## Handling

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Storage: 4 °C, -20 °C

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Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.