

Datasheet for ABIN676259

anti-MCM3 antibody (AA 251-350) (Cy7)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	MCM3
Binding Specificity:	AA 251-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCM3 antibody is conjugated to Cy7
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MCM3
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	MCM3
Alternative Name:	Mcm3 (MCM3 Products)
Background:	Synonyms: minichromosome maintenance deficient 3, Cervical cancer proto oncogene 5, DNA

Target Details

polymerase alpha holoenzyme associated P1, DNA polymerase alpha holoenzyme associated protein P1, DNA replication factor MCM3, DNA replication licensing factor MCM3, HCC 5, HCC5, hRlf beta subunit, Human cervical cancer proto oncogene 5, MCM 3, MCM3 minichromosome maintenance deficient 3, MGC1157, Minichromosome maintenance deficient 3, Minichromosome maintenance protein 3, P1 h, P1 MCM3, P1 Protein, P1.h, P102 protein, Replication licensing factor beta subunit, RLF beta subunit, RLF subunit beta, RLFB.

Background: MCM3 is one of the highly conserved mini-chromosome maintenance proteins 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 thus is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression.

Gene ID:	4172
Pathways:	DNA Damage Repair , Mitotic G1-G1/S Phases , DNA Replication , Chromatin Binding , Synthesis of DNA

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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Expiry Date:	12 months
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