Datasheet for ABIN7539779

anti-MCM3 antibody

Go to Product page

Overview

Quantity:	100 µL
Target:	MCM3
Reactivity:	Human, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MCM3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	MCM3 Antibody
Immunogen:	Purified recombinant fragment of human MCM3 expressed in E. Coli.
Clone:	1D4A3
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	MCM3
Alternative Name:	MCM3 (MCM3 Products)
Background:	The protein encoded by this gene is one of the highly conserved mini-chromosome

Target Details

	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. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	91 kDa
Gene ID:	4172
UniProt:	P25205
Pathways:	DNA Damage Repair, Mitotic G1-G1/S Phases, DNA Replication, Chromatin Binding, Synthesis of DNA

Application Details

Application Notes:	FCM: 1/200 - 1/400 ICC: 1/50 - 1/200
Restrictions:	For Research Use only

Handling

Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.