Rabbit anti-Human MCM2 Monoclonal Antibody | anti-MCM2 antibody

MCM2 RMab

CATALOG #	HOST	REACTIVITY
AAA59269	**Rabbit**	**Human**

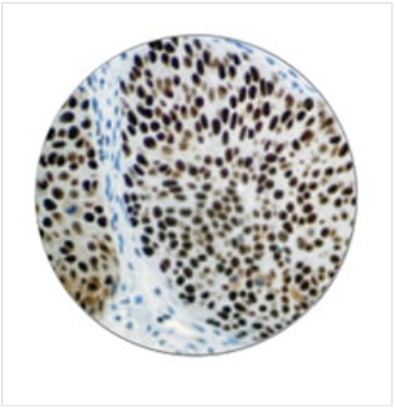
PRODUCT SYNONYMS

MCM2; Monoclonal Antibody; MCM2 RMab; anti-MCM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	RBT-MCM2
Form/Format	MCM2 is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Control	HSIL, Cervical and Breast Cancer
Localization	Nuclear
Reactivity Note	Paraffin, Frozen
Preparation and Storage	Store at 2 to 8 degree C in the dark.

IMAGES



IHC (Immunohiostchemistry)

Antibody Type	Dilution	Volume/QTY
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:100-1:500	0.1 ml
Concentrated	1:100-1:500	0.5 ml
Concentrated	1:100-1:500	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-MCM2 antibody	MCM-2 (mini-chromosome maintenance 2) is a human gene. The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that is 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, and may be involved in the formation of replication forks and in the recruitment of other DNA replication-related proteins. This protein forms a complex with MCM-4, 6, and 7, and has been shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by protein kinases CDC2 and CDC7.MCM-2 is essential for eukaryotic DNA replication and drives the formation of pre-replicative complexes, which is the key first step during the G1 phase. Therefore, altered MCM-2 expression may be a hallmark of cell-cycle deregulation, which could be the most essential mechanism in the development and progression of human cancers. MCM2 has been identified by DNA microarray and transcriptional profiling as a gene that is over-expressed in Cervical Carcinomas. This protein is over-expressed in Cervical Dysplasia as a result of HPV infection. The over-expression of MCM-2 provides the link between oncogenic HPV infection and the molecular event of Cervical Dysplasia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3912
UniProt Accession #	P29469; D6VPX7
Molecular Weight	98,780 Da
NCBI Official Full Name	MCM2
UniProt Protein Name	DNA replication licensing factor MCM2
UniProt Gene Name	**MCM2**
UniProt Entry Name	MCM2_YEAST

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/monoclonal/mcm2-antibody-clone-rbt-mcm2-elisa/59269