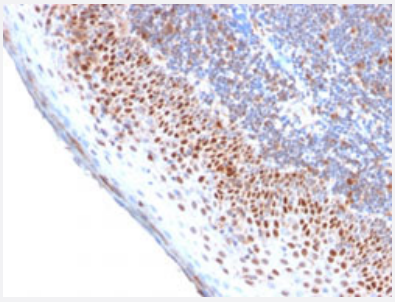
RecomAb™

MCM7 recombinant monoclonal antibody, clone MCM7/2756R

Catalog # RAB00518 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human tonsil.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against partial human MCM7.
Antibody Species	Rabbit
Immunogen	Recombinant protein corresponding to amino acids 195-319 of human MCM7.
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA and 0.05% azide)
Storage Instruction	Store at 2 to 8°C.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of human tonsil.

Gene Info — MCM7

Entrez GeneID	4176
Protein Accession#	P33993
Gene Name	MCM7
Gene Alias	CDABP0042, CDC47, MCM2, P1.1-MCM3, P1CDC47, P85MCM, PNAS-146
Gene Description	minichromosome maintenance complex component 7
Omim ID	600592
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameri c protein complex formed by the 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. The MCM complex consisting of this protein and MCM2, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1 -dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumorsuppressor protein RB1/RB. Alternatively spliced transcript variants enc oding distinct isoforms have been reported. [provided by RefSeq
Other Designations	DNA replication licensing factor MCM7|MCM7 minichromosome maintenance deficient 7|homolo g of S. cerevisiae Cdc47|minichromosome maintenance deficient 7

Pathway

- Cell cycle
- DNA replication

Disease

- Autistic Disorder
- Genetic Predisposition to Disease