

Rabbit Anti-MCM5 [EP84]: RM0126

Intended Use: For Research Use Only

Description: Minichromosome maintenance protein 5 (MCM5), also known as DNA replication licensing factor MCM5, is a member of the MCM family that regulates mammalian DNA replication. This family is composed of six related subunits, called the hexameric MCM2-7 complex, that are conserved in all eukaryotes. It functions as a replicative helicase, the molecular motor that both unwinds duplex DNA and powers fork progression during DNA replication. MCM proteins are also implicated in other chromosome transactions including damage response, transcription, and chromatin structure. MCM's are central players in many aspects of genome stability. The MCM5 protein is upregulated in the transition from the G0 to G1/S phase of the cell cycle and may actively participate in cell cycle regulation. There is a strong positive correlation between MCM2 or MCM5 expression levels and Ki-67 labeling index. MCM5 maybe a useful proliferation marker for skin cancer, colon cancer and is of prognostic value in colon cancer and ovarian cancer. In combination with p16INK4A expression

Specifications

Clone: EP84
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Nucleus
Formulation: Purified antibody in 0.2% BSA and 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
MCM5 Concentrated	RM0126	1 ml

IHC Procedure*

Positive Control Tissue: Tonsil, colon cancer
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.