

Rabbit Anti-MCM3 [EP202]: RM0125

Intended Use: For Research Use Only

Description: MCM3 is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. It is a subunit of the protein complex that consists of MCM2-7, which has been shown to interact directly with MCM5/CDC46. MCM3 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. Increased expression of MCM3 has been demonstrated in various tumors by immunohistochemistry. Studies suggest that MCM3 may be a more reliable proliferation marker than Ki-67 in assessing the growth of tumor. It is a marker for tumor progression.

Specifications

Clone: EP202
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
MCM3 Concentrated	RM0125	1 ml

IHC Procedure*

Positive Control Tissue: Colon, colon cancer
Concentrated Dilution: 50-200
Pretreatment: EDTA pH8.0, 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.