

MCM5 Recombinant Rabbit mAb

MCM5 Recombinant Rabbit mAb

Catalog # AP94436

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG/Kappa
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Belongs to the MCM family. Contains 1 MCM domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	<p>The mini-chromosome maintenance (MCM) family of proteins, including MCM2, MCM3, MCM4 (Cdc21), MCM5 (Cdc46), MCM6 (Mis5) and MCM7 (Cdc47), are regulators of DNA replication that act to ensure replication occurs only once in the cell cycle. Expression of MCM proteins increases during cell growth, peaking at G1 to S phase. The MCM proteins each contain an ATP-binding motif, which is predicted to mediate ATP-dependent opening of double-stranded DNA. MCM proteins are regulated by E2F transcription factors, which induce MCM expression, and by protein kinases, which interact with MCM proteins to maintain the postreplicative state of the cell. MCM2/MCM4 complexes function as substrates for Cdc2/cyclin B in vitro. Cleavage of MCM3, which can be prevented by caspase inhibitors, results in the inactivation during apoptosis of the MCM complex, which is composed of, at least, MCM2-6. A complex composed of MCM4, MCM6 and MCM7 has been shown to be involved in DNA helicase activity, and MCM5 is involved in IFN-induced Stat1 Alpha transcription activation.</p>

Additional Information

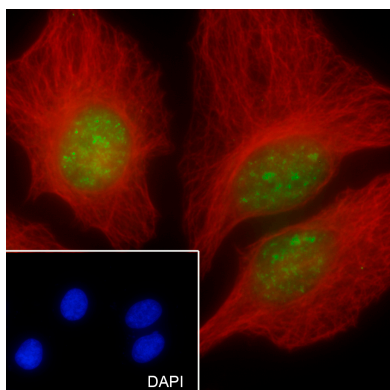
Dilution	WB=1:500-1:1000,IHC-P=1:50-1:100,IHC-F=,ICC/IF=1:50,IF=0
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Background

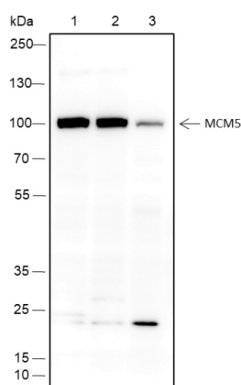
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic

applications.

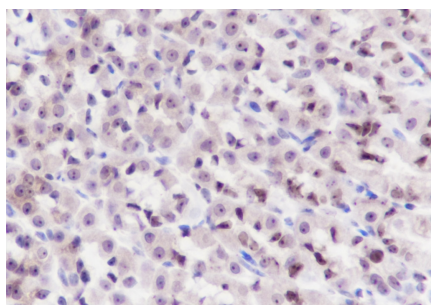
Images



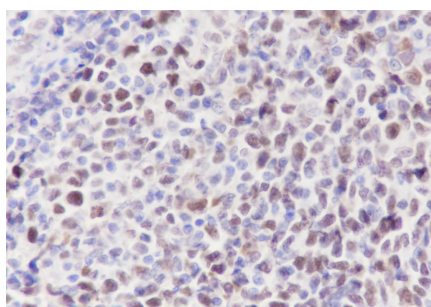
Cell line: HeLa Fixative: 100% Ice-cold methanol
Permeabilization: 0.1% TritonX-100 Primary Ab dilution:
1:50 Primary incubation condition: 4°C overnight
Secondary Ab: Goat Anti-Rabbit IgG Nuclear counter
stain: DAPI (Blue) Counter stain: Tubulin (Red) Comment:
Color green is the positive signal for AP94436



Blocking buffer: 5% NFDM/TBST Primary Ab dilution:
1:1000 Primary Ab incubation condition: 2 hours at room
temperature Secondary Ab: Goat Anti-Rabbit IgG H&L
(HRP) Lysate: 1: HeLa, 2: JK, 3: 4T1 Protein loading
quantity: 20 µg Exposure time: 60 s Predicted MW: 82 kDa
Observed MW: 82kDa



Tissue: Rat stomach Section type: Formalin fixed &
Paraffin -embedded section Retrieval method: High
temperature and high pressure Retrieval buffer:
Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100
Primary Ab incubation condition: 1 hour at room
temperature Secondary Ab: SP Kit(Rabbit) (sp-0023)
Counter stain: Hematoxylin (Blue) Comment: Color brown
is the positive signal for AP94436



Tissue: Human tonsil Section type: Formalin fixed &
Paraffin -embedded section Retrieval method: High
temperature and high pressure Retrieval buffer:
Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100
Primary Ab incubation condition: 1 hour at room
temperature Secondary Ab: SP Kit(Rabbit) (sp-0023)
Counter stain: Hematoxylin (Blue) Comment: Color brown
is the positive signal for AP94436

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.