

Recombinant MCM3 Monoclonal Antibody

catalog number: **AN301597L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

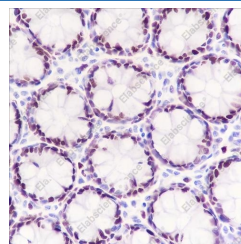
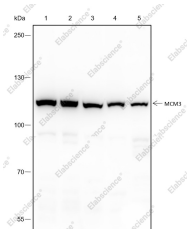
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human MCM3 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C121220
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:500-1:2000
IHC	1:200-1:1000
IP	1:25-1:100

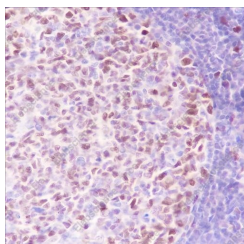
Data



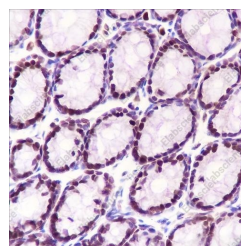
Western Blot with MCM3 Monoclonal Antibody at dilution of 1:2000. Lane 1: HeLa, Lane 2: K562, Lane 3: HepG2, Lane 4: PC-12, Lane 5: NIH-3T3

Immunohistochemistry of paraffin-embedded Human colon using MCM3 Monoclonal Antibody at dilution of 1:1000.

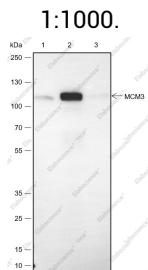
Observed-MW:100 kDa
Calculated-MW:91 kDa



Immunohistochemistry of paraffin-embedded Human tonsil using MCM3 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse colon using MCM3 Monoclonal Antibody at dilution of 1:1000.



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Rev. V1.2

Immunoprecipitation analysis using anti-MCM3
Monoclonal Antibody. Western blot was performed from
the immunoprecipitate using MCM3 Monoclonal Antibody
at a dilution of 1:100. Lane 1: 5% Input, Lane 2: MCM3
Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG
Isotype

Observed-MW:100 kDa

Calculated-MW:91 kDa

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM 2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for DNA replication and cell proliferation.