

MCM2 (ABT-MCM2) Mouse mAb

CatalogNo: YM4932

| Key Features

Host Species

Mouse

MW
• 120kD (Calculated)

130kD (Observed)

Reactivity

· Human, Mouse

Isotype

• IgG1,Kappa

Applications

IHC,WB,IF,ELISA

Recommended Dilution Ratios

IHC 1:100-500 WB 1:500-2000 IF 1:100-500

ELISA 1:1000-5000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Basic Information

Clonality Monoclonal

Clone Number ABT-MCM2

Immunogen Information

Immunogen Synthesized peptide derived from human MCM2 AA range: 300-400

Specificity The antibody can specifically recognize human MCM2 protein. In western blotting of

HEK293 cell lysate, the antibody can label a 130 kDa band.

| Target Information

Gene name MCM2 BM28 CCNL1 CDCL1 KIAA0030

Protein Name DNA replication licensing factor MCM2 (Minichromosome maintenance protein 2 homolog)

(Nuclear protein BM28)

Organism	Gene ID	UniProt ID
Human	<u>4171</u> ;	<u>P49736;</u>
Mouse	<u>17216</u> ;	<u>P97310;</u>

Cellular Localization Nuclear

Tissue specificity Bone marrow, Brain, Cervix carcinoma, Colon carcinoma, Epithelia

Function Function:Acts as a factor that allows the DNA to undergo a single round of replication per

cell cycle. Required for the entry in S phase and for cell division.,PTM:Phosphorylated on Ser-108 by ATR in proliferating cells. Ser-108 proliferation is increased by genotoxic agents.

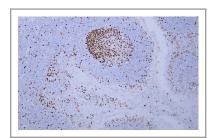
Ser-40 is mediated by the CDC7-DBF4 and CDC7-DBF4B complexes, while Ser-53

phosphorylation is only mediated by the CDC7-DBF4 complex.,sequence Caution:Translation N-terminally shortened.,similarity:Belongs to the MCM

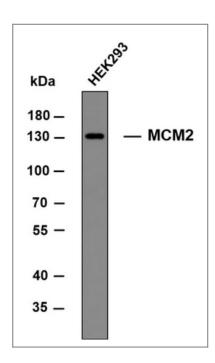
family., similarity: Contains 1 MCM domain., subunit: Interacts with DBF4 (By similarity).

Interacts with MYST2. May interact with MCM10.,

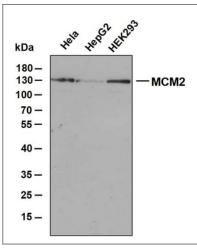
Validation Data



Human tonsil tissue was stained with Anti-MCM2 (ABT-MCM2) Antibody



Whole cell lysates of HEK293 were separated by 8% SDS-PAGE, and the membrane was blotted with anti-MCM2 antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody.



Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-MCM2 antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody.

| Contact information

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Please scan the QR code to access additional product information:
MCM2 (ABT-MCM2)
Mouse mAb

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Antibody | ELISA Kits | Protein | Reagents