

Datasheet for ABIN3043877
anti-MCM7 antibody (AA 526-719)

6 Images

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Overview

Quantity:	100 µg
Target:	MCM7
Binding Specificity:	AA 526-719
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for DNA replication licensing factor MCM7(MCM7) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	E.coli-derived human MCM7 recombinant protein (Position: D526-V719). Human MCM7 shares 94% amino acid (aa) sequence identity with mouse MCM7.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for DNA replication licensing factor MCM7(MCM7) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat. Gene Name: minichromosome maintenance complex component 7 Protein Name: DNA replication licensing factor MCM7
Purification:	Immunogen affinity purified.

Target Details

Target:	MCM7
Alternative Name:	MCM7 (MCM7 Products)
Background:	<p>MCM7(Minichromosome Maintenance, s. Cerevisiae, homolog of, 7), also called CDC47, FORMERLY, is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The MCM7 gene is mapped to 7q22.1. MCM7 plays a pivotal role in the G1/S phase transition, orchestrating the correct assembly of replication forks on chromosomal DNA and ensuring that all the genome is replicated once and not more than once at each cell cycle. The MCM7 gene contains 15 exons. The miRNAs MIR106B, MIR93, and MIR25 are clustered in a 5-prime to 3-prime orientation within intron 13. It has been found that MCM7 and the precursors of microRNAs (miRNAs) MIR106B, MIR93, and MIR25, all of which arise from intron 13 of the MCM7 gene, were overexpressed with almost perfect correlation in 5 of 10 human gastric tumors.</p> <p>Synonyms: CDABP0042 antibody CDC 47 antibody CDC47 antibody CDC47 homolog antibody Cdc47, S. cerevisiae, homolog of antibody DNA replication licensing factor MCM7 antibody Homolog of S. cerevisiae Cdc47 antibody MCM 2 antibody MCM 7 antibody MCM2 antibody MCM2, formerly antibody Mcm7 antibody MCM7 minichromosome maintenance deficient 7 antibody MCM7_HUMAN antibody Minichromosome Maintenance 7 antibody Minichromosome maintenance, S. cerevisiae, homolog of antibody Minichromosome maintenance complex component 7 antibody Minichromosome maintenance deficient 7 antibody Minichromosome maintenance protein 7 antibody P1.1 MCM3 antibody P1.1-MCM3 antibody P1CDC47 antibody P85MCM antibody PNAS 146 antibody PNAS146 antibody</p>
Gene ID:	4176
UniProt:	P33993
Pathways:	DNA Damage Repair , Mitotic G1-G1/S Phases , DNA Replication , Chromatin Binding , Synthesis of DNA

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for MCM7 is approximately 0.25 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p>
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Application Details

ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human

Notes: Tested Species: Species with positive results. Other applications have not been tested.

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

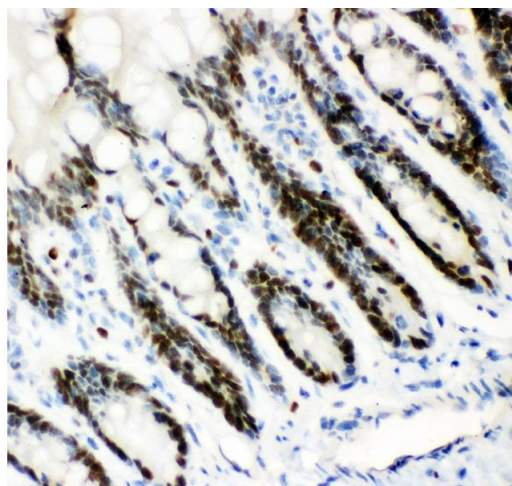
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

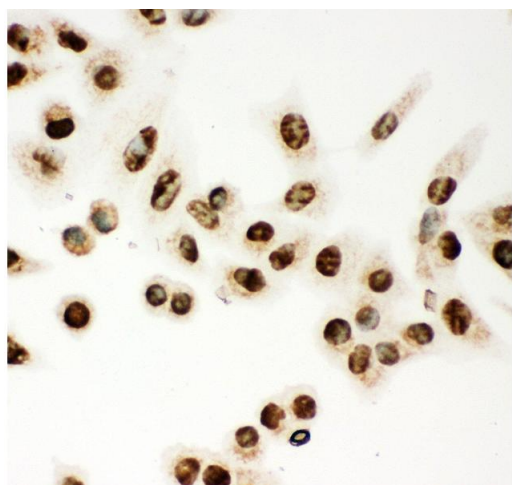
Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.



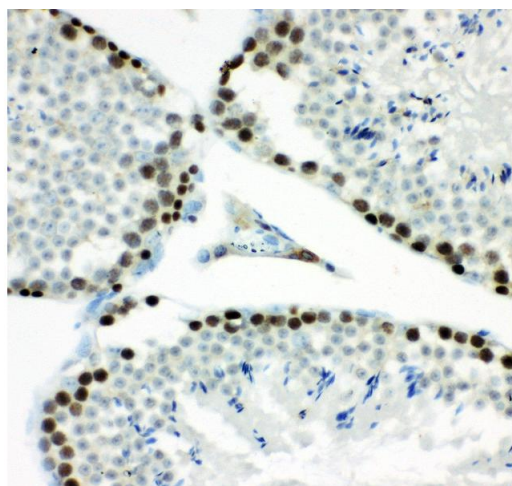
Immunohistochemistry

Image 1. Anti- MCM7 Picoband antibody,IHC(P) IHC(P): Rat Intestine Tissue



Immunohistochemistry

Image 2. Anti- MCM7 Picoband antibody,ICC ICC: A549 Cell



Immunohistochemistry

Image 3. Anti- MCM7 Picoband antibody,IHC(P) IHC(P): Mouse Testis Tissue

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3043877.