Datasheet for ABIN3044244

anti-MCM5 antibody (C-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	MCM5
Binding Specificity:	AA 720-734, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for DNA replication licensing factor MCM5(MCM5) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human MCM5(720-734aa EIQHRMQRKVLYRLK), identical to the related rat and mouse sequences.
Sequence:	EIQHRMQRKV LYRLK
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for DNA replication licensing factor MCM5(MCM5) detection. Tested with WB, IHC-P in Human,Mouse,Rat.

Product Details

	Gene Name: minichromosome maintenance complex component 5 Protein Name: DNA replication licensing factor MCM5
Purification:	Immunogen affinity purified.

Target Details

Target:	MCM5
Alternative Name:	MCM5 (MCM5 Products)
Background:	MCM5(MINICHROMOSOME MAINTENANCE, S. CEREVISIAE, HOMOLOG OF, 5),also known as CDC46, is a protein that in humans is encoded by the MCM5 gene. MCM5 is structurally very similar to the CDC46 protein from S. cerevisiae, a protein involved in the initiation of DNA replication. And MCM5 is a member of the MCM family of chromatin-binding proteins and can interact with at least two other members of this family. The MCM5 gene is mapped on 22q12.3. The MCM5 gene contains 16 exons. The encoded protein is upregulated in the transition from the G0 to G1/S phase of the cell cycle and may actively participate in cell cycle regulation. Synonyms: CDC 46 antibody|CDC46 antibody|CDC46 homolog antibody|Cell division cycle 46 antibody|DNA replication licensing factor antibody|DNA replication licensing factor MCM 5 antibody|DNA replication licensing factor MCM5 antibody|MCM 5 antibody|MCM5 antibody|MCM5_HUMAN antibody|MGC5315 antibody|Minichromosome maintenance complex component 5 antibody|Minichromosome maintenance deficient(S. cerevisiae) 5 antibody|Minichromosome maintenance deficient 5 antibody|Minichromosome maintenance deficient protein 5 antibody|P1 CDC46 antibody|P1-CDC46 antibody
UniProt:	P33992
Pathways:	DNA Damage Repair, Mitotic G1-G1/S Phases, DNA Replication, Chromatin Binding, Synthesis of DNA

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Rat, Predicted Species: Mouse IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Predicted Species: 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. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.

Application Details

	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).
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 Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES 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.
Expiry Date:	12 months

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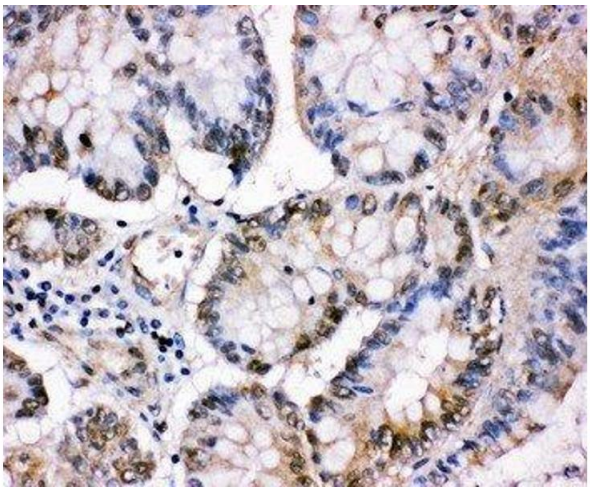

Immunohistochemistry

Image 1. Anti-MCM5 antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue

Western Blotting

Image 2. Anti-MCM5 antibody, Western blotting Lane 1: Rat Testis Tissue Lysate Lane 2: Rat Brain Tissue Lysate Lane3: JURKAT Cell Lysate

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