

Datasheet: AHP2404

Description:	RABBIT ANTI MCM2
Specificity:	MCM2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			1/100 - 1/1000
Immunohistology - Paraffin	▪			1/100 - 1/1000
Western Blotting	▪			1/1000 - 1/10000
Immunofluorescence	▪			1/100 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Reacts with: Human, Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to MCM2 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Peptide corresponding to an N-terminal sequence of human MCM2
External Database Links	UniProt: P49736 Related reagents

Entrez Gene:[4171](#) MCM2 [Related reagents](#)

Synonyms	BM28, CCNL1, CDCL1, KIAA0030
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Specificity	<p>Rabbit anti MCM2 antibody recognizes the nuclear protein mini chromosome maintenance protein 2 (MCM2), a putative DNA replicative helicase and member of the MCM family, critical during the initiation of DNA replication.</p> <p>During the G1 phase of the cell cycle the MCM proteins, part of the pre-replicative complex which assembles at replication origins, undergo phosphorylation by kinases including cyclin dependent kinase (CDK) and Cdc7/Dbf4 (DDK). Studies have shown that the phosphorylation of MCM2 occurs on multiple sites, namely Ser27, Ser41, Ser53, Ser108 and Ser139 and that phosphorylation results in a conformational change of the complex and activation of the helicase activity.</p>
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Shelf Life	18 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

Recommended Useful Reagents

[MOUSE ANTI HUMAN CD19 \(MCA2454\)](#)

[MOUSE ANTI HUMAN CYTOKERATIN 18 \(MCA1864H\)](#)

[PUREBLU™ DAPI \(1351303\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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