

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: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

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 (NaN₃)

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Peptide corresponding to an N-terminal sequence of human MCM2
External Database Links	<p>UniProt: P49736 Related reagents</p> <p>Entrez Gene: 4171 MCM2 Related reagents</p>
Synonyms	BM28, CCNL1, CDCL1, KIAA0030
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). Phosphorylation of MCM2 occurs on multiple sites, namely Ser27, Ser41, Ser53, Ser108 and Ser139 and results in a conformational change and activation of helicase activity.</p>
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP2404 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

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

[PUREBLU™ DAPI \(1351303\)](#)

North & South America Tel: +1 800 265 7376
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

To
find a

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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