

Datasheet: AHP2404

BATCH NUMBER 1803

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

0.09% Sodium Azide (NaN₃)

Stabilisers

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

Specificity **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.

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.

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
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.

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 \(1351303\)](#)

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

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