

Datasheet: MCA6357

**BATCH NUMBER 157620**

<b>Description:</b>	RABBIT ANTI Ki67
<b>Specificity:</b>	Ki67
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM360
<b>Isotype:</b>	IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/500 - 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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Based on sequence similarity, is expected to react with: Mouse <b>N.B.</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.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin

50% Glycerol

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<b>Immunogen</b>	A peptide corresponding to the internal region of human Ki67
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**External Database Links**

**UniProt:**

[P46013](#)   [Related reagents](#)

**Entrez Gene:**

[4288](#)   MKI67   [Related reagents](#)

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**Specificity**

**Rabbit anti Ki67 antibody** recognizes proliferation marker protein Ki-67, also known as MKI67.

Ki67 is a nuclear marker which exists in proliferating cells, with levels decaying steadily in quiescent cells. It is a cell cycle protein present during G1, S, and G2 phases, and its transcription is under the control of E2F activation. Ki67 has been shown to participate in ribosomal biogenesis, heterochromatin organization, and mitotic chromosome separation ([Miller et al. 2018](#)). Ki67 is a widely-used indicator of proliferation in oncology across numerous cancer types. In breast cancer, Ki67 may be an indicator of responsiveness or resistance to chemotherapy or endocrine therapy ([Niazi et al. 2018](#)).

**References**

1. Westhoff, M.A. *et al.* (2013) Sequential dosing in chemosensitization: targeting the PI3K/Akt/mTOR pathway in neuroblastoma. [PLoS One. 8 \(12\): e83128.](#)
  2. Fukase, M. *et al.* (2021) Intravenous injection of human multilineage-differentiating stress-enduring cells alleviates mouse severe acute pancreatitis without immunosuppressants [Surgery Today. 52 \(4\): 603-15.](#)
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**Storage**

Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6357>  
10048

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)   [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...)   [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>	To find a
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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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