

Datasheet: MCA6357

BATCH NUMBER 166691

Description:	RABBIT ANTI Ki67
Specificity:	Ki67
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM360
Isotype:	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 - 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.

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

50% Glycerol

Immunogen	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](#)

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.

Guarantee

12 months from date of despatch

Health And Safety Information

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

Regulatory

For research purposes only

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](#)

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

'M386986:210604'

Printed on 18 Jan 2024

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