

Datasheet: MCA6363

BATCH NUMBER 173418

Description:	RABBIT ANTI MSH3
Specificity:	MSH3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM405
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	▪			1/100 - 1/200
Western Blotting	▪			1/1000 - 1/2000

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
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	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to residues near the N-terminus of human MSH3
External Database	UniProt:

Links[P20585](#) [Related reagents](#)**Entrez Gene:**[4437](#) MSH3 [Related reagents](#)**Synonyms**

DUC1, DUG

Specificity

Rabbit anti MSH3 antibody recognizes DNA mismatch repair protein Msh3, also known as DUP and MRP1.

MSH3 is a DNA mismatch repair protein essential for CAG.CTG repeat expansion. It is a genetic modifier of somatic instability in myotonic dystrophy type 1 (DM1) and progression in Huntington's disease ([Flower et al. 2019](#)). Mismatch repair is one of the most important DNA repair processes, correcting errors introduced during DNA replication and contributing to apoptotic signaling ([Yang et al. 2018](#)). Deficiency in MSH3 results in suppressed homologous recombination, and MSH3 frequently undergoes somatic mutation in mismatch repair-deficient cancers ([Takahashi et al. 2011](#)).

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/MCA6363>

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](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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