

Datasheet: MCA6363

**BATCH NUMBER 157626**

<b>Description:</b>	RABBIT ANTI MSH3
<b>Specificity:</b>	MSH3
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM405
<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	▪			1/100 - 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.

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

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
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