

## Datasheet: MCA6313

<b>Description:</b>	RABBIT ANTI CDKN2A
<b>Specificity:</b>	CDKN2A
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM409
<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 of 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 the C-terminus of Human CDKN2A
<b>External Database Links</b>	<b>UniProt:</b>

[P42771](#)   [Related reagents](#)

**Entrez Gene:**

[1029](#)   CDKN2A   [Related reagents](#)

---

**Synonyms**      CDKN2, MTS1

---

**Specificity**      **Rabbit anti Human CDKN2A antibody** recognizes cyclin-dependent kinase inhibitor 2A, also known as p16-INK4a, CDKN2, MTS1. CDKN2A is a tumor-suppressor which regulates the cell cycle and inhibits the activity of Cdk4 and Cdk6, proteins involved with cell cycle progression ([Monzon et al. 1998](#)). Activation of CDKN2A has been shown to prevent carcinogenesis by inducing cell growth arrest and senescence ([Xing et al. 2013](#)). Specifically, loss of CDKN2A is associated with melanoma, and familial carriers of CDKN2A mutations have an increased melanoma risk ([Helgadottir et al. 2018](#)). CDKN2A is also a regulator of glucose homeostasis, and may be involved with risk of type II diabetes ([Pal et al. 2016](#)).

---

**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:  
10048: <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

---

**Regulatory**      For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)      [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...)      [RPE](#)

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

**North & South**      Tel: +1 800 265 7376

**America**      Fax: +1 919 878 3751

    Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

    Tel: +44 (0)1865 852 700

    Fax: +44 (0)1865 852 739

    Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

    Tel: +49 (0) 89 8090 95 21

    Fax: +49 (0) 89 8090 95 50

    Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M376291:210127'

**Printed on 21 Mar 2022**