

Datasheet: MCA6365

BATCH NUMBER 157628

Description:	RABBIT ANTI CDKN2A
Specificity:	CDKN2A
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM409
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 the C-terminus of human CDKN2A
External Database	UniProt:

Links

[P42771](#) [Related reagents](#)

Entrez Gene:

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

Synonyms

CDKN2, MTS1

Specificity

Rabbit anti CDKN2A antibody recognizes cyclin-dependent kinase inhibitor 2A, also known as CDK4I, MTS-1 and p16-INK4.

CDKN2A activation prevents carcinogenesis by activating senescence and arrest of cell growth. As such, it is upregulated in cellular senescence and functions as a tumor suppressor in a range of human cancers including colorectal cancer ([Xing et al. 2013](#)). CDKN2A inhibits the cell cycle proteins cyclin-dependent kinase 4 (CDK4) and CDK6. Loss of CDKN2A function can result in uncontrolled proliferation and neoplastic transformation ([Shima et al. 2011](#)). CDKN2A often undergoes DNA hypermethylation in cancer, including colon cancer. This hypermethylation at the promoter region leads to silencing of the gene encoding CDKN2A and may lead to development, progression, and invasion of colorectal cancer ([Xing et al. 2013](#)).

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](#)
- 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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