

Datasheet: MCA6367

BATCH NUMBER 157630

Description:	RABBIT ANTI SOX2
Specificity:	SOX2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM427
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 - 1/250
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 SOX2
External Database	UniProt:

Links[P48431](#) [Related reagents](#)**Entrez Gene:**[6657](#) SOX2 [Related reagents](#)**Specificity****Rabbit anti SOX2 antibody** recognizes transcription factor SOX-2.

SOX2 is a transcription factor which is essential for embryonic development. It helps maintain the stemness of embryonic cells and various adult stem cell populations. In conjunction with other co-factors, SOX2 enables the induction of pluripotent stem cells (iPSCs) from terminally differentiated somatic cells. Deletion of SOX2 in the vertebrate zygote leads to early embryonic lethality and malformation of the epiblast ([Schaefer and Lengerke, 2020](#)). SOX2 expression is dysregulated in a variety of human cancers, and actively contributes to cancer cell proliferation, migration, invasion and metastasis ([Novak et al. 2020](#)). In cancer, SOX2 levels appear optimized for tumor growth, where small changes in SOX2 expression would change tumor physiology. In addition, SOX2 appears to influence the response of tumor cells to oncology drugs ([Wuebben and Rizzino, 2017](#)).

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/MCA6367>
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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