

Datasheet: AHP2631

Description:	RABBIT ANTI HISTONE DEACETYLASE 2 (pSer394)
Specificity:	HISTONE DEACETYLASE 2 (pSer394)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

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	▪			1/50 - 1/100
Western Blotting	▪			1/500 - 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

Species Cross Reactivity Based on sequence similarity, is expected to react with: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form Purified IgG - liquid

Antiserum Preparation Antiserum to histone deacetylase 2 (pSer394) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative 0.02% Sodium Azide
Stabilisers 50% Glycerol

Immunogen Phospho specific-peptide corresponding to residues surrounding serine 394 of human histone deacetylase 2

External Database Links

UniProt:

[Q92769](#) [Related reagents](#)

Entrez Gene:

[3066](#) HDAC2 [Related reagents](#)

Specificity

Rabbit anti Histone deacetylase 2 (pSer394) antibody recognizes histone deacetylase 2, also known as HDAC2, when phosphorylated at serine 394. Histone deacetylase 2 is a class 1 histone deacetylase. Histone deacetylases are chromatin-modifying enzymes that are involved in regulation of many aspects of cell biology including tissue differentiation, autophagy, apoptosis, migration, mitosis and angiogenesis.

Phosphorylation at serine 394 is involved in the regulation of the enzymatic activity of histone deacetylase 2 ([Tsai and Seto 2002](#)).

Further Reading

1. Tsai, S.C. & Seto, E. (2002) Regulation of histone deacetylase 2 by protein kinase CK2. [J Biol Chem. 277 \(35\): 31826-33.](#)

Storage

Store at -20°C

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10049 available at:
10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.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](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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