

## Datasheet: AHP2310

<b>Description:</b>	RABBIT ANTI HISTONE DEACETYLASE 3
<b>Specificity:</b>	HISTONE DEACETYLASE 3
<b>Other names:</b>	HDAC3
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## 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	▪			20 - 30 µg/ml
Western Blotting	▪			0.5 - 4.0 µg/ml

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, Chicken  
**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

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

30% Glycerol  
 0.5% Bovine Serum Albumin  
 0.01% Thiomersal

### Approx. Protein

IgG concentration 0.2 mg/ml

## Concentrations

**Immunogen** Synthetic peptide corresponding to the C-terminus of human HDAC3

## External Database Links

### UniProt:

[O15379](#) [Related reagents](#)

### Entrez Gene:

[8841](#) HDAC3 [Related reagents](#)

## Specificity

**Rabbit anti Histone deacetylase 3 antibody** recognizes histone deacetylase 3 (HDAC3). Histone acetylation and deacetylation play important roles in modifying chromatin structure and regulating eukaryotic gene expression. HDAC3 has been characterized as a class I HDAC enzyme. HDAC3 is reported to interact with the SMRT corepressor forming a complex which inhibits histone deacetylase activity.

## Western Blotting

Rabbit anti histone deacetylase 3 recognizes a band of approximately 49 kDa in Jurkat cell lysate

## 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 #10096 available at:  
10096: <https://www.bio-rad-antibodies.com/uploads/MSDS/10096.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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