

## Datasheet: AHP1027

<b>Description:</b>	RABBIT ANTI HISTONE H3 (ACETYLATED)
<b>Specificity:</b>	HISTONE H3 ACETYLATED
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/100
Immunoprecipitation			▪	
Western Blotting	▪			
Immunofluorescence	▪			

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

### Species Cross Reactivity

Reacts with: Mammals, Yeast, Amphibia

**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

Serum - liquid

### Antiserum Preparation

Antisera to acetylated histone H3 were raised by repeated immunisation of rabbits with highly purified antigen.

### Preservative Stabilisers

<0.1% Sodium Azide (NaN<sub>3</sub>)

**Immunogen** Ovalbumin-conjugated peptide: NKSTGGAcKAPRKYCc

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**External Database**

**Links**

**UniProt:**

[Q6NXT2](#) [Related reagents](#)

**Entrez Gene:**

[440093](#) H3F3C [Related reagents](#)

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**RRID** AB\_609664

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**Specificity** **Rabbit anti Histone acetylated H3Histone antibody** was generated using a peptide corresponding to H3 acetylated at lysine 14 and recognizes all or most acetylated H3 isoforms.

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**References**

1. Belyaev, N. *et al.* (1996) Differential underacetylation of histones H2A, H3 and H4 on the inactive X chromosome in human female cells. [Hum Genet. 97 \(5\): 573-8.](#)
  2. Tsaprouni, L.G. *et al.* (2011) Differential patterns of histone acetylation in inflammatory bowel diseases. [J Inflamm \(Lond\). 8: 1.](#)
  3. Foy, R.L. *et al.* (2008) Role of Jade-1 in the histone acetyltransferase (HAT) HBO1 complex. [J Biol Chem. 283: 28817-26.](#)
  4. Havasi, A. *et al.* (2013) Histone Acetyl Transferase (HAT) HBO1 and JADE1 in Epithelial Cell Regeneration. [Am J Pathol. 182: 152-62.](#)
  5. Epping MT *et al.* (2009) UNC45A confers resistance to histone deacetylase inhibitors and retinoic acid. [Mol Cancer Res. 7 \(11\): 1861-70.](#)
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**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10081 available at: 10081: <https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
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](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

## Recommended Useful Reagents

### TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

**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)

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Tel: +49 (0) 89 8090 95 21

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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://bio-rad-antibodies.com/datasheets)

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