

Datasheet: AHP418

Description:	RABBIT ANTI HISTONE H4 (ACETYLATED)
Specificity:	HISTONE H4 ACETYLATED
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/400
Immunoprecipitation	▪			
Western Blotting	▪			1/800
Immunofluorescence	▪			1/200
Chromatin Immunoprecipitation	▪			

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.

Target Species	Synthetic Peptide
Species Cross Reactivity	<p>Reacts with: Drosophila, Yeast, Human, Arabidopsis, Mouse, Zebrafish, Wheat, Asellus aquaticus</p> <p>Based on sequence similarity, is expected to react with: Mammals, Plants, Amphibia</p> <p>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.</p>
Product Form	Serum - liquid

Antiserum Preparation Antisera to acetylated histone H4 were raised by repeated immunisation of rabbits with highly purified antigen.

Preservative Stabilisers <0.1% Sodium Azide (NaN₃)

Immunogen KLH-conjugated peptide acetylated at lysines 5,8,12,16:
NSGRGAcKGGAcKGLGAcKGGAAcKRHYCC.

External Database Links

UniProt:
[P62805](#) [Related reagents](#)

Entrez Gene:
[554313](#) HIST2H4B [Related reagents](#)

Synonyms H4/A, H4/B, H4/C, H4/D, H4/E, H4/G, H4/H, H4/I, H4/J, H4/K, H4/M, H4/N, H4/O, H4F2, H4FA, H4FB, H4FC, H4FD, H4FE, H4FG, H4FH, H4FI, H4FJ, H4FK, H4FM, H4FN, H4FO, HIST2H4

RRID AB_2116715

Specificity **Rabbit anti Histone H4 (Acetylated) antibody** was raised against the tetra-acetylated form of histone H4 and recognizes acetylated isoforms of histone H4.

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- References**
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 2. Turner, B.M. *et al.* (1992) Histone H4 isoforms acetylated at specific lysine residues define individual chromosomes and chromatin domains in Drosophila polytene nuclei. [Cell. 69 \(2\): 375-84.](#)
 3. 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.](#)
 4. Perry, P. *et al.* (2004) A dynamic switch in the replication timing of key regulator genes in embryonic stem cells upon neural induction. [Cell Cycle. 3 \(12\): 1645-50.](#)
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 10. Collas, P. *et al.* (1999) Active transgenes in zebrafish are enriched in acetylated

histone H4 and dynamically associate with RNA Pol II and splicing complexes. [J Cell Sci. 112: 1045-54.](#)

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13. Santos, A.P. *et al.* (2002) The architecture of interphase chromosomes and gene positioning are altered by changes in DNA methylation and histone acetylation. [J Cell Sci. 115: 4597-605.](#)

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15. Vega-Flores, G. *et al.* (2014) The GABAergic septohippocampal pathway is directly involved in internal processes related to operant reward learning. [Cereb Cortex. 24 \(8\): 2093-107.](#)

16. Dincman, T.A. *et al.* (2016) Histone deacetylase inhibition is cytotoxic to oligodendrocyte precursor cells *in vitro* and *in vivo*. [Int J Dev Neurosci. 54: 53-61.](#)

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.

Guarantee 12 months from date of despatch

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

Recommended Useful Reagents

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

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