

## Datasheet: AHP3046

<b>Description:</b>	RABBIT ANTI HUMAN HISTONE H2A (pThr120)
<b>Specificity:</b>	HISTONE H2A (pThr120)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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
Western Blotting	▪			0.5 µg/ml - 2 µg/ml
Immunoblotting	▪			1 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

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antiserum to human histone H2A (pThr120) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on Protein A.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.035% Sodium Azide (NaN<sub>3</sub>)  
30% Glycerol

**Carrier Free** Yes

**Immunogen** A peptide containing phosphorylated threonine 120 of human histone H2A

**External Database Links** **UniProt:**

**Entrez Gene:**

[8338](#) HIST2H2AC   [Related reagents](#)

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**Synonyms**      H2AFQ

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**Specificity**      **Rabbit anti Human histone H2A (pThr120) antibody** recognizes histone H2A when phosphorylated at threonine 120.

Histone H2A is one of the four core histones that make up the nucleosome core particle. Nucleosomes are the smallest subunit of chromatin and are made up of 146 bp of DNA wrapped around an octamer comprised of pairs of the four core histones (H2A, H2B, H3, and H4) ([Smith, 1991](#)). Phosphorylation of histone H2A at threonine 120 promotes oncogenic transformation in human cancer cell lines via upregulation of cyclin D1 ([Aihara et al. 2016](#)).

Wide species cross-reactivity is expected from Rabbit anti Human histone H2A (pThr120) antibody based on sequence homology.

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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. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**      12 months from date of despatch

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**Health And Safety Information**      Material Safety Datasheet documentation #10049 available at: <https://www.bio-rad-antibodies.com/SDS/AHP3046>  
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**Regulatory**      For research purposes only

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## 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](#)

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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://bio-rad-antibodies.com/datasheets)  
'M394877:220218'

**Printed on 18 Jan 2024**

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