

## Datasheet: VPA00783

<b>Description:</b>	RABBIT ANTI HISTONE H1.3
<b>Specificity:</b>	HISTONE H1.3
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography on immunogen.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 2% Sucrose
<b>Immunogen</b>	Synthetic peptide directed towards the N terminal region of human histone H1.3

### External Database Links

#### UniProt:

[P16402](#)    [Related reagents](#)

#### Entrez Gene:

[3007](#) HIST1H1D    [Related reagents](#)

<b>Synonyms</b>	H1F3
<b>Specificity</b>	<b>Rabbit anti Human histone H1.3 antibody</b> recognizes histone H1.3, also known as histone H1c, H1-3 and H1s-2. Histones are the major protein component of chromatin, with important roles in gene regulation. Histone H1 binds to linker DNA between nucleosomes, plays a role in higher-order chromatin stabilization, and is also able to fine-tune gene transcription in a locus-specific way (Brockers and Schneider, 2019). Histone variants replace canonical histones when nucleosomes are disrupted, with diverse implications for epigenetic gene regulation. Histone H1.3 is a histone variant and appears to have diverse roles in cancer. This protein has been suggested as a prognostic biomarker for pancreatic ductal adenocarcinoma (Bauden et al. 2017). Histone H1.3 has also been identified as a repressor for the oncogene H19, contributing to the suppression of epithelial ovarian carcinogenesis (Medrzycki et al. 2015).
<b>Western Blotting</b>	Anti histone H1.3 antibody recognizes a band of approximately 30 kDa in Jurkat cell lysates.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10045 available at: Antibody (10045): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf</a>
<b>Regulatory</b>	For research purposes only.

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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://www.bio-rad-antibodies.com/datasheets)  
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