

Datasheet: VPA00783

**BATCH NUMBER 170515**

<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
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P16402</a> <a href="#">Related reagents</a>

**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: <a href="https://www.bio-rad-antibodies.com/SDS/VPA00783">https://www.bio-rad-antibodies.com/SDS/VPA00783</a> Antibody (10045)
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)**Worldwide**

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**Printed on 23 May 2025**