

Datasheet: VPA00783

BATCH NUMBER 170515

Description:	RABBIT ANTI HISTONE H1.3
Specificity:	HISTONE H1.3
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography on immunogen
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 2% Sucrose
Immunogen	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](#)

Synonyms	H1F3
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Specificity	Rabbit anti Human histone H1.3 antibody 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).
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Western Blotting	Anti histone H1.3 antibody recognizes a band of approximately 30 kDa in Jurkat cell lysates
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
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Guarantee	12 months from date of despatch
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Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
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Health And Safety Information	Material Safety Datasheet documentation #10045 available at: https://www.bio-rad-antibodies.com/SDS/VPA00783 Antibody (10045)
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Regulatory	For research purposes only
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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**Worldwide**

Tel: +44 (0)1865 852 700

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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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Printed on 18 Jan 2024