

Datasheet: VPA00538

Description:	RABBIT ANTI HISTONE H2B 1M
Specificity:	HISTONE H2B 1M
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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	KLH conjugated synthetic peptide corresponding to amino acid 10-44 of human histone H2B 1M
External Database Links	UniProt: Q99879 Related reagents Entrez Gene: 8342 HIST1H2BM Related reagents
Synonyms	H2BFE

Specificity **Rabbit anti Human histone H2B 1M antibody** recognizes histone H2B 1M, also known as H2B histone family, member E, histone 1, H2bm, histone H2B type 1-M or HIST1H2BM.

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. HIST1H2BM is intronless and encodes a member of the histone H2B family. Transcripts from HIST1H2BM lack polyA tails but instead contain a palindromic termination element. HIST1H2BM is found in the small histone gene cluster on chromosome 6p22-p21.3 (provided by RefSeq, Jul 2008).

Rabbit anti Human histone H2B 1M antibody detects a band of 17 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti histone H2B 1M detects a band of approximately 17 kDa in NIH/3T3 cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Shelf Life	As supplied, 12 months from date of despatch
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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