

Datasheet: VPA00494

BATCH NUMBER 160712

Description:	RABBIT ANTI HIGH MOBILITY GROUP PROTEIN B2
Specificity:	HIGH MOBILITY GROUP PROTEIN B2
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
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid.
Preparation	Rabbit polyclonal antibody purified by affinity chromatography.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	<p>0.09% Sodium Azide (NaN₃)</p> <p>2% Sucrose.</p>

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Synthetic peptide directed towards the C terminal region of human high mobility group protein B2
External Database Links	<p>UniProt: P26583 Related reagents</p> <p>Entrez Gene: 3148 HMGB2 Related reagents</p>
Synonyms	HMG2
Specificity	<p>Rabbit anti Human high mobility group protein B2 antibody recognizes high mobility group protein B2, also known as HMG-2, high mobility group protein 2, high-mobility group (non-histone chromosomal) protein 2 or high-mobility group box 2.</p> <p>HMGB2 gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. <i>In vitro</i> studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles (Pauli et al. 1993). These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination (Nagaki et al. 1998) (provided by RefSeq, Jul 2008).</p> <p>Rabbit anti Human high mobility group protein B2 antibody detects a band of 28 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti high mobility group protein B2 detects a band of approximately 28 kDa in HEK293 cell lysates.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10045 available at: https://www.bio-rad-antibodies.com/SDS/VPA00494 Antibody (10045)
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M375820:210112'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)