

Datasheet: VPA00151

Description:	GOAT ANTI HR23B
Specificity:	HR23B
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	Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Synthetic peptide corresponding to amino acids 163-176 of human HR23B
External Database Links	<p>UniProt: P54727 Related reagents</p> <p>Entrez Gene: 5887 RAD23B Related reagents</p>

Specificity

Goat anti Human HR23B antibody recognizes HR23B also known as hHR23B and XP-C repair-complementing complex 58 kDa protein (p58).

HR23B is one of two human homologs of *Saccharomyces cerevisiae* Rad23, a protein involved in

the nucleotide excision repair (NER). This protein was found to be a component of the protein complex that specifically complements the NER defect of xeroderma pigmentosum group C (XP-c) cell extracts *in vitro*. HR23B has also been shown to interact with and elevate the nucleotide excision activity of 3-methyladenine-DNA glycosylase (MPG), which suggested a role in DNA damage recognition in base excision repair. It contains an N-terminal ubiquitin-like domain, which was reported to interact with 26S proteasome, and thus may be involved in the ubiquitin mediated proteolytic pathway in cells. Alternative splicing results in multiple transcript variants encoding distinct isoforms (provided by RefSeq, Sep 2011).

Goat anti Human HR23B antibody detects a band of 58 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti HR23B detects a band of approximately 58 kDa in LNCaP 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 #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

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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