

Datasheet: VMA00423

Description:	MOUSE ANTI DNA PKcs
Specificity:	DNA PKcs
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB02/2H1
Isotype:	IgG1
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
Immunoprecipitation	▪			
Western Blotting	▪			1/1000
Immunofluorescence	▪			

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	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃).
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	<i>E.coli</i> -derived recombinant protein corresponding to aa 3844-4127 of human DNA PKcs

External Database Links	UniProt: P78527 Related reagents Entrez Gene: 5591 PRKDC Related reagents
Synonyms	HYRC, HYRC1
Specificity	<p>Mouse anti Human DNA PKCs antibody recognizes DNA-dependent protein kinase catalytic subunit (DNA PKCs), also known as PRKDC and DNA-PK catalytic subunit.</p> <p>Encoded by the PRKDC gene, DNA PKCs functions with the Ku70/Ku80 heterodimer protein in DNA double strand break repair and recombination. DNA PKCs is a member of the PI3/PI4-kinase family (provided by RefSeq, Jul 2010).</p> <p>Mouse anti Human DNA PKCs antibody detects a band of >350 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti DNA PKCs detects a band of approximately >350 kDa in MOLT-4 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: https://www.bio-rad-antibodies.com/SDS/VMA00423 Antibody (10040)
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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
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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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