

Datasheet: VMA00423

Description:	MOUSE ANTI DNA PKcs
Specificity:	DNA PKcs
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
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
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
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)
Immunogen	<i>E.coli</i> -derived recombinant protein corresponding to aa 3844-4127 of human DNA PKcs
External Database Links	<p>UniProt: P78527 Related reagents</p> <p>Entrez Gene: 5591 PRKDC Related reagents</p>
Synonyms	HYRC, HYRC1
Specificity	Mouse anti Human DNA PKcs antibody recognizes DNA-dependent protein kinase catalytic subunit (DNA PKcs), also known as PRKDC and DNA-PK catalytic subunit.

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).

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.

Western Blotting	Anti DNA PKcs detects a band of approximately >350 kDa in MOLT-4 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 Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

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

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