

Datasheet: VMA00016

BATCH NUMBER 040714

Description:	MOUSE ANTI POLY (ADP-RIBOSE) POLYMERASE 1
Specificity:	POLY (ADP-RIBOSE) POLYMERASE 1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	A6.4.12
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

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	Reacts with: Mouse, Rat 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.
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	Human PARP-1
External Database Links	<p>UniProt: P09874 Related reagents</p> <p>Entrez Gene: 142 PARP1 Related reagents</p>
Synonyms	ADPRT, PPOL
Specificity	<p>Mouse anti Human poly (ADP-ribose) polymerase 1 antibody recognizes poly (ADP-ribose) polymerase 1 (PARP-1), a nuclear enzyme cleaved during apoptosis (Soldani et al. 2002).</p> <p>PARP-1 is a caretaker enzyme involved in DNA damage repair (Langelier et al. 2013). It plays roles in diabetes pathophysiology (Andreone et al. 2012) and tumor proliferation (Rosado et al 2013). As well as protecting cells from genomic instability, PARP-1 is also involved in the development of both inflammatory and immune responses, and cell death by apoptosis and necrosis (Erdélyi et al. 2005).</p> <p>PARP-1 represents a promising target for new developments in therapeutic treatment of immune mediated diseases (Rosado et al. 2013) and has considerable potential for delivering selective tumor cell killing while sparing normal cells (Pinton et al. 2013).</p> <p>Mouse anti Human poly (ADP-ribose) polymerase 1 antibody recognizes PARP-1 as a single band of ~116 kDa in western blotting in multiple cell line lysates including myeloid, lymphoid, neuronal, adenocarcinoma, sarcoma and embryonic kidney.</p>
Western Blotting	Anti Poly (ADP-Ribose) Polymerase 1 antibody detects a band of approximately 116 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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00016 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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

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