Datasheet: VMA00016

BATCH NUMBER 171128

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	**UniProt:** P09874 Related reagents **Entrez Gene:** 142 PARP1 Related reagents
Synonyms	ADPRT, PPOL
Specificity	**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). 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). 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). 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.
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^{o}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

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

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