

Datasheet: VMA00016

BATCH NUMBER 157020

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|----------------------|---|
| 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 |
|---------------------|-----|----|----------------|--------------------|
| Immunoprecipitation | ▪ | | | |
| 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.

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|---------------------------------|--|
| Target Species | Human |
| Species Cross Reactivity | <p>Reacts with: Mouse, Rat</p> <p>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.</p> |
| Product Form | Purified IgG - liquid |
| Preparation | Mouse monoclonal antibody purified by affinity chromatography on Protein A 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 | 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 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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