

Datasheet: VMA00306

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|----------------------|------------------------|
| Description: | MOUSE ANTI SUMO-1 |
| Specificity: | SUMO-1 |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Clone: | 66AT1273.94.49 |
| 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.

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|---------------------------------|---|
| Target Species | Human |
| Species Cross Reactivity | <p>Reacts with: 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 prepared by affinity chromatography on Protein G from tissue culture supernatant. |
| Buffer Solution | Phosphate buffered saline. |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃). |

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| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml. |
| Immunogen | Purified recombinant GST-SUMO-1 fusion protein |
| External Database Links | <p>UniProt: P63165 Related reagents</p> <p>Entrez Gene: 7341 SUMO1 Related reagents</p> |
| Synonyms | SMT3C, SMT3H3, UBL1 |
| Specificity | <p>Mouse anti Human SUMO-1 antibody recognizes the small ubiquitin-related modifier 1 (SUMO-1), also known as GAP modifying protein 1, SMT3 homolog 3, SMT3 suppressor of mif two 3 homolog 1, sentrin, small ubiquitin-related modifier 1, ubiquitin-homology domain protein PIC1, ubiquitin-like protein SMT3C and ubiquitin-like protein UBL1.</p> <p>Encoded by the SUMO1 gene, SUMO-1 is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for SUMO1. Alternate transcriptional splice variants encoding different isoforms have been characterized (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human SUMO-1 antibody detects a band of 80 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| Western Blotting | Anti SUMO-1 detects a band of approximately 80 kDa in HeLa 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/VMA00306 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 \(MCA928\)](#)

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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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