

Datasheet: VMA00306

BATCH NUMBER 151204

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.

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)
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](#)

North & South Tel: +1 800 265 7376

America 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

'M375812:210112'

Printed on 18 Jan 2024

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