

Datasheet: AHP1184

**BATCH NUMBER 152913**

<b>Description:</b>	RABBIT ANTI SUMO-1 (N-TERMINAL)
<b>Specificity:</b>	SUMO-1 (N-TERMINAL)
<b>Other names:</b>	SMALL UBIQUITIN-RELATED MODIFIER-1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 1.0ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat, Mouse

**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

### Antiserum Preparation

Antisera to human SUMO-1 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	14 amino acid peptide sequence near the amino terminus of human SUMO-1.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P63165</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7341</a>    SUMO1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	SMT3C, SMT3H3, UBL1
<b>RRID</b>	AB_2198094
<b>Specificity</b>	<p><b>Rabbit anti Human SUMO-1 antibody</b> recognizes the N-terminal (NT) region of small ubiquitin-related modifier-1 (SUMO-1). SUMO-1 is an ~11 kDa protein which structurally related to ubiquitin, and is added to proteins as a form of post-translational modification known as sumoylation. Sumoylation can be cell cycle regulated, stimulated upon stress or induced by DNA damage, and binding elicits individual effects for each protein. Effects include changes to protein stability, nuclear-cytosolic transport, and transcriptional regulation (mostly transcriptional repression).</p> <p>Alternate transcriptional splice variants encoding different isoforms have been characterized.</p>
<b>Western Blotting</b>	AHP1184 detects a band of approximately 15kDa in HL-60 cell lysates.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>Melchior, F. &amp; Hengst, L. (2002) SUMO-1 and p53. <a href="#">Cell Cycle. 1 (4): 245-9.</a></li> <li>Verger, A. <i>et al.</i> (2003) Modification with SUMO. A role in transcriptional regulation. <a href="#">EMBO Rep. 4 (2): 137-42.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/AHP1184">https://www.bio-rad-antibodies.com/SDS/AHP1184</a>  10040</p>

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto: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](https://bio-rad-antibodies.com/datasheets)

'M363843:200529'

Printed on 18 Jan 2024

---