BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-Sumo 1 Rabbit Monoclonal Antibody

**Catalog Number:** M00631-1

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## Overview

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|---|---|
| Product Name | Anti-Sumo 1 Rabbit Monoclonal Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Sumo 1 Rabbit Monoclonal Antibody catalog # M00631-1. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |
| Application | Flow Cytometry, IP, IF, IHC, ICC, WB |
| Clonality | Monoclonal BFI-19 |
| Formulation | Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.<br>*This antibody is supplied in a stabilized formulation.<br>Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P63165 |

## Technical Details

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| Immunogen | A synthesized peptide derived from human Sumo 1 |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5mg/ml |
| Purification | Affinity-chromatography |
| Suggested Dilutions | WB, 1:500-2000 |

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| | |
|---|---|
| | IHC, 1:50-200<br>ICC/IF, 1:50-200<br>IP, 1:20<br>FC, 1:20 |

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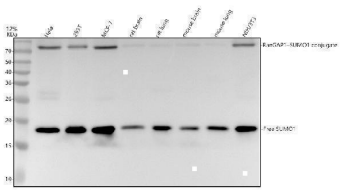
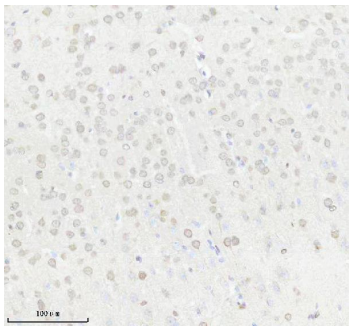
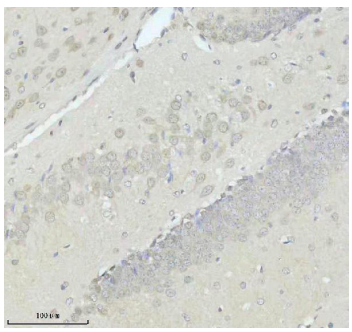
# Anti-Sumo 1 Rabbit Monoclonal Antibody (M00631-1) Images



Western blot analysis of SUMO1 using anti-SUMO1 antibody (M00631-1). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: rat brain tissue lysates, Lane 5: rat lung tissue lysates, Lane 6: mouse brain tissue lysates, Lane 7: mouse lung tissue lysates, Lane 8: mouse NIH/3T3 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SUMO1 antigen affinity purified monoclonal antibody (M00631-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for SUMO1 at approximately 18,80 kDa. The expected band size for SUMO1 is at 12 kDa.



IHC analysis of SUMO1 using anti-SUMO1 antibody (M00631-1). SUMO1 was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-SUMO1 Antibody (M00631-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



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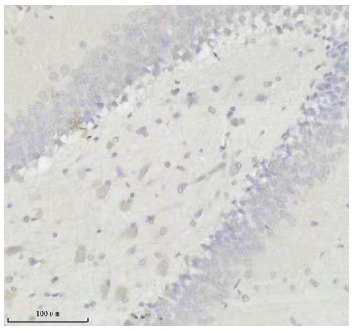
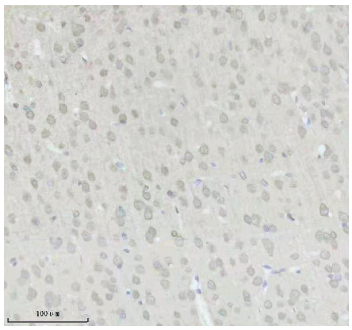


section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-SUMO1 Antibody (M00631-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



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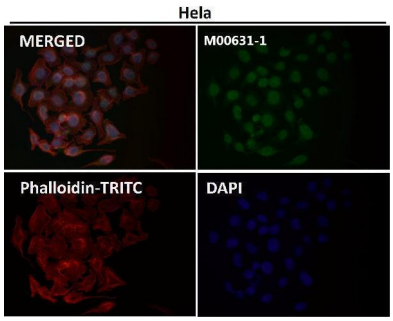
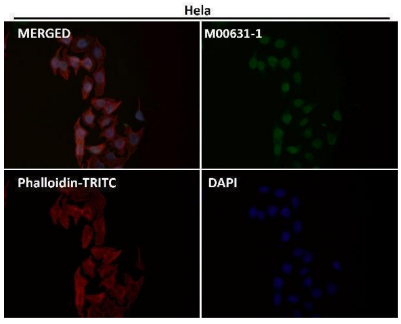
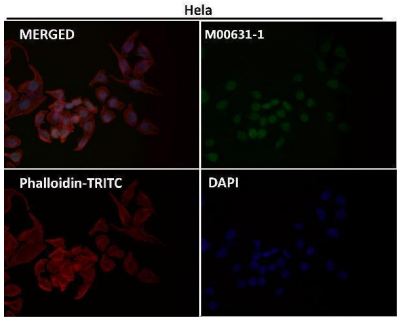



Immunofluorescent analysis using the Antibody at 1:50 dilution.




Immunofluorescent analysis using the Antibody at 1:150 dilution.




Immunofluorescent analysis using the Antibody at 1:500 dilution.

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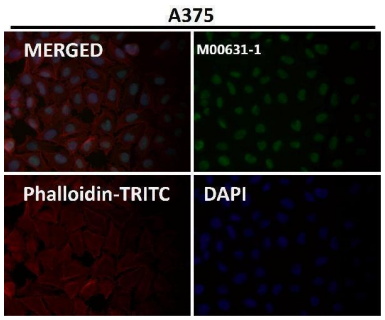
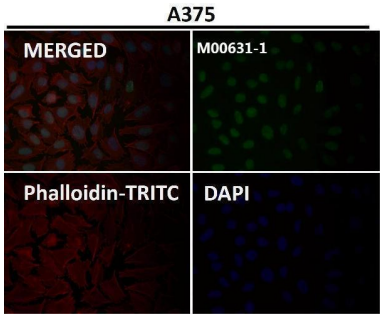
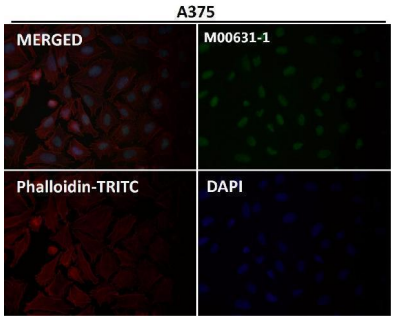



Immunofluorescent analysis using the Antibody at 1:50 dilution.




Immunofluorescent analysis using the Antibody at 1:150 dilution.




Immunofluorescent analysis using the Antibody at 1:500 dilution.

## 1 Publications Citing This Product

1. PubMed ID: 26493771, The SUMO Protease SENP3 Orchestrates G2-M Transition and Spindle Assembly in Mouse Oocytes

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