

Anti-Sumo 1 Rabbit Monoclonal Antibody

Catalog Number: M00631-1

About SUMO1

Dynamin-related GTPase required for mitochondrial fusion and regulation of apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space.

Overview

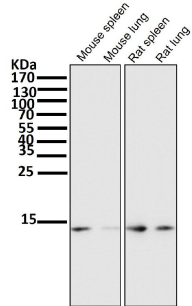
Product Name	Anti-Sumo 1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Sumo 1 Rabbit Monoclonal Antibody catalog # M00631-1. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal BFI-19
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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

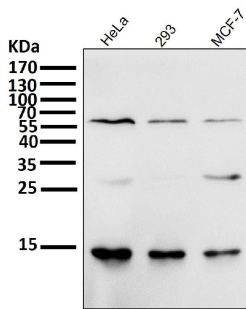
Immunogen	A synthesized peptide derived from human Sumo 1
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:50
FC 1:50

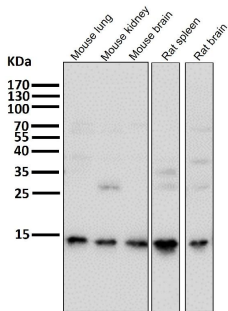
Anti-Sumo 1 Rabbit Monoclonal Antibody (M00631-1) Images



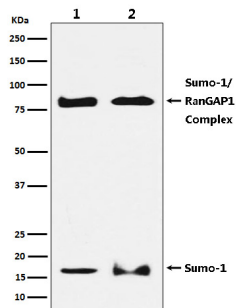
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



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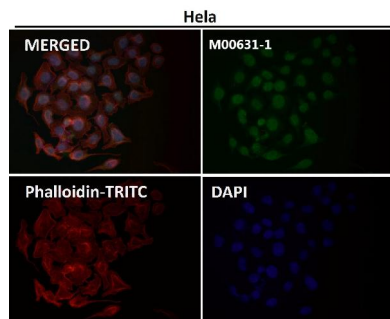
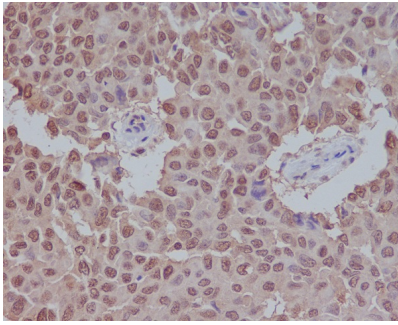


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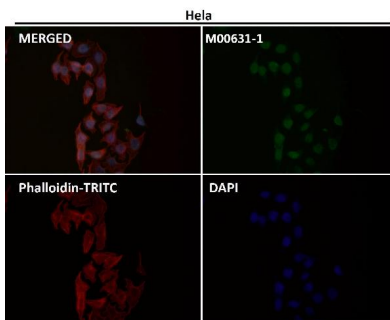


Western blot analysis of SUMO1 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate.

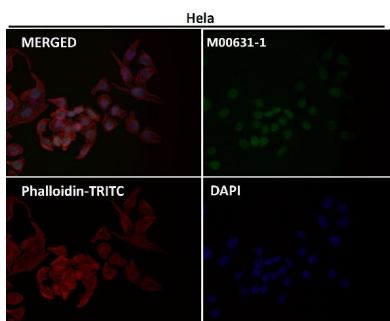
Immunohistochemical analysis of paraffin-embedded human breast carcinoma, using Sumo 1 Antibody .



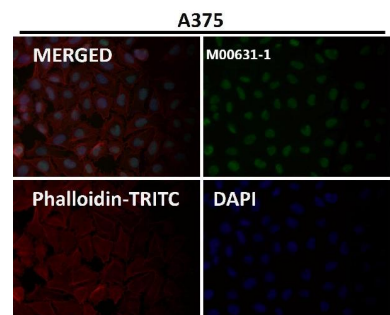
Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.

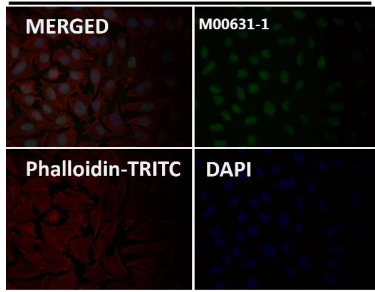


Immunofluorescent analysis using the Antibody at 1:500 dilution.



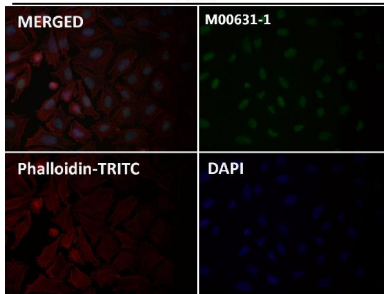
Immunofluorescent analysis using the Antibody at 1:50 dilution.

A375



Immunofluorescent analysis using the Antibody at 1:150 dilution.

A375



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

Visit bosterbio.com/anti-sumo-1-rabbit-monoclonal-antibody-m00631-1-boster.html to see all 1 publications.

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