

# [KO Validated] SUMO1 Rabbit mAb

Catalog No.: A19121   **KO Validated**   **Recombinant**   **9 Publications**

## Basic Information

### Observed MW

17kDa/80kDa

### Calculated MW

12kDa

### Category

Primary antibody

### Applications

WB, IHC-P, IF/ICC, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### Clone/No. number

ARC0215

## Background

This gene encodes a protein that 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 this gene. Alternate transcriptional splice variants encoding different isoforms have been characterized.

## Recommended Dilutions

WB	1:1000 - 1:2000
IHC-P	1:2000 - 1:10000
IF/ICC	1:200 - 1:400
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

7341

### Swiss Prot

P63165

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

DAP1; GMP1; PIC1; SMT3; UBL1; OFC10; SENP2; SMT3C; SMT3H3; O1

## Contact

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## Product Information

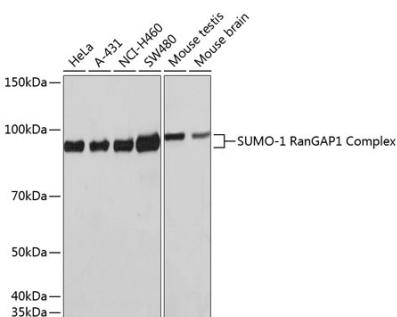
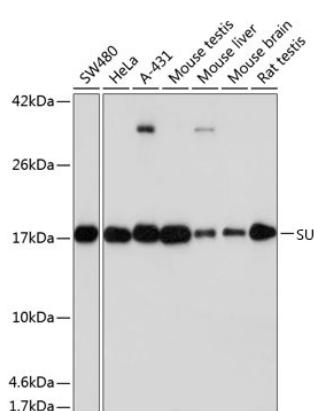
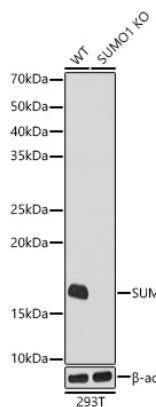
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

### Storage

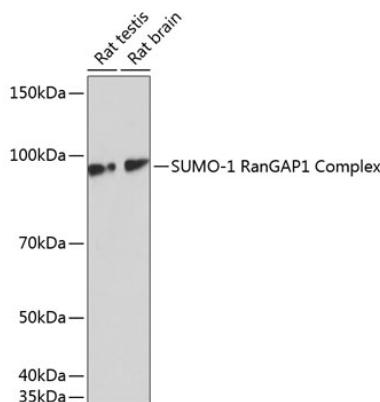
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



## Validation Data



Western blot analysis of various lysates using [KO Validated] SUMO1 Rabbit mAb (A19121) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1min.

