

# SUMO2/3 Rabbit mAb

Catalog No.: A22734 **Recombinant**

## Basic Information

**Observed MW**

17kDa

**Calculated MW**

11kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IF/ICC

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC57112

## 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 two amino acids of the carboxy-terminus have been cleaved off. Numerous pseudogenes have been reported for this gene. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

## Recommended Dilutions

**WB** 1:500 - 1:1000**IF/ICC** 1:100 - 1:500

## Immunogen Information

**Gene ID**

6613

**Swiss Prot**

P61956

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-95 of human SUMO2/3. (NP\_008868.3).

**Synonyms**

HSMT3; SMT3B; SUMO3; Smt3A; SMT3H2; SUMO2/3

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

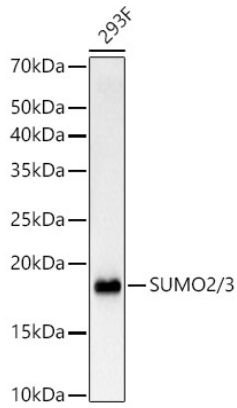
Affinity purification

**Storage**

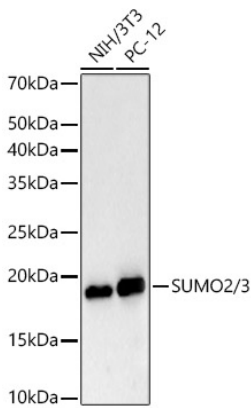
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

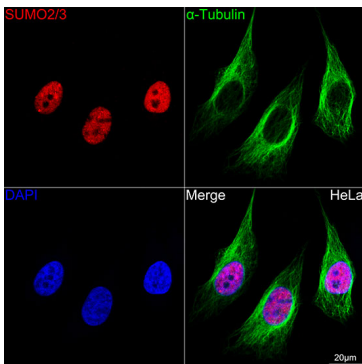
## Validation Data



Western blot analysis of lysates from 293F cells, using SUMO2/3 Rabbit mAb (A22734) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3s.



Western blot analysis of various lysates, using SUMO2/3 Rabbit mAb (A22734) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3s.



Confocal imaging of HeLa cells using SUMO2/3 Rabbit mAb (A22734, dilution 1:400) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.