



## Rabbit anti SUMO-3/Sentrin-3 Polyclonal Antibody

Alternative Name(s): Small ubiquitin-related modifier 3; Sentrin-3

### Order Information

- **Description:** SUMO-3/Sentrin-3
- **Catalogue:** 500-10514
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** WB
- **Reactivity:** Hu, Ms, Rt

### ANTIGEN PREPARATION

A synthetic peptide derived from C-terminus of human Sentrin-3 protein. This sequence is identical to human, mouse and rat.

### BACKGROUND

Sentrin-3 also known as SUMO-3 is a 103-amino acids peptide that has high homologous to Sentrin-1/SUMO-1. This novel ubiquitin-like protein can be covalently attached to proteins as a monomer or as a lysine-linked polymer. Covalent attachment via an isopeptide bond to its substrates requires prior activation by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2I, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2 or CBX4. This post-translational modification on lysine residues of proteins plays a crucial role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction.

### PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

### FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### SPECIFICITY

This antibody reacts with SUMO-3 protein. It cross-reacts to human, mouse and rat. The other species are not tested.

### STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### APPLICATIONS/SUGGESTED WORKING DILUTIONS\*

- Western Blot: 0.1-1 µg/ml
- ELISA: Not tested
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 12.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

### FOR RESEARCH USE ONLY.

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA  
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). [www.abbomax.com](http://www.abbomax.com) [info@abbomax.com](mailto:info@abbomax.com)

**DATA ATTACHMENTS**

**MW**  
**(kDa)**

**37-**

**25-**

**20-**

**15-**

**10-**



Western Blot: The cell lysate derived from HeLa cells was immunoblotted by the Rabbit anti Sentrin-3 (Cat#500-10514) @ 1:500. An immunoreactive band is observed at ~12 kDa.

**REFERENCES**

**FOR RESEARCH USE ONLY.**

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA  
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). [www.abbomax.com](http://www.abbomax.com) [info@abbomax.com](mailto:info@abbomax.com)