

**SUMO3 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14266****Specification**

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**SUMO3 antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">P55854</a>
Other Accession	<a href="#">NM_006936</a> , <a href="#">NP_008867</a>
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12kDa KDa

**SUMO3 antibody - middle region - Additional Information****Gene ID 6612**Alias Symbol **SMT3A, SMT3H1, SUMO-3, Smt3B****Other Names**

Small ubiquitin-related modifier 3, SUMO-3, SMT3 homolog 1 {ECO:0000312|HGNC:HGNC:11124}, SUMO-2, Ubiquitin-like protein SMT3A, Smt3A, SUMO3 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=11124" target="\_blank">HGNC:11124</a>)

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-SUMO3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

SUMO3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**SUMO3 antibody - middle region - Protein Information****Name** SUMO3 ([HGNC:11124](#))**Function**

Ubiquitin-like protein which can be covalently attached to target lysines either as a monomer or as a lysine-linked polymer. Does not seem to be involved in protein degradation and may function as an antagonist of ubiquitin in the degradation process. Plays a role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Covalent attachment 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 (PubMed:<a href="http://www.uniprot.org/citations/11451954" target="\_blank">11451954</a>, PubMed:<a href="http://www.uniprot.org/citations/18538659" target="\_blank">18538659</a>, PubMed:<a href="http://www.uniprot.org/citations/21965678" target="\_blank">21965678</a>). Plays a role in the regulation of sumoylation status of SETX (PubMed:<a href="http://www.uniprot.org/citations/24105744" target="\_blank">24105744</a>).

#### Cellular Location

Cytoplasm. Nucleus. Nucleus, PML body

#### Tissue Location

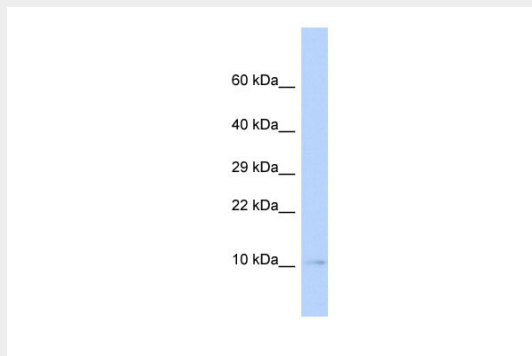
Expressed predominantly in liver.

### SUMO3 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SUMO3 antibody - middle region - Images



WB Suggested Anti-SUMO3 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: MCF7 cell lysate

SUMO3 is strongly supported by BioGPS gene expression data to be expressed in Human MCF7 cells