

Drosophila SUMO Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1287a**Specification**

Drosophila SUMO Antibody (N-term) - Product Information

Application	IF,E
Primary Accession	O97102
Reactivity	Human, Drosophila
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

Drosophila SUMO Antibody (N-term) - Additional Information**Gene ID** 33981**Other Names**

CG4494-PA; LD07775p; Smt3; Ubiquitin-like protein SMT3

Target/Specificity

This Drosophila SUMO antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of Drosophila SUMO1.

Dilution

IF~~1:50~200

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Drosophila SUMO Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Drosophila SUMO Antibody (N-term) - Protein Information**Name** O97102**Cellular Location**

Nucleus {ECO:0000256|RuleBase:RU361190}.

Drosophila SUMO Antibody (N-term) - 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](#)

Drosophila SUMO Antibody (N-term) - Images

Drosophila SUMO Antibody (N-term) - Background

Covalent modification of target lysines by SUMO (small ubiquitin-like modifier) modulates processes such as protein localization, transcription, nuclear transport, mitosis, DNA replication and repair, signal transduction, and viral reproduction. SUMO does not seem to be involved in protein degradation and may in fact function as an antagonist of ubiquitin in the degradation process. In the development of Drosophila, SUMO plays a maternal role in anterior-posterior (A/P) polarity and patterning.

Drosophila SUMO Antibody (N-term) - References

Muller S, et al., Nat Rev Mol Cell Biol. 2001 2(3):202-10 Review. Hochstrasser M. Cell. 2001 107(1):5-8. Review. Kahyo T, et al., Mol Cell. 2001 Sep;8(3):713-8. Yeh ET, et al., Gene. 2000 May 2;248(1-2):1-14. Review. Keane, M.M., et al., Oncogene 18 (22), 3365-3375 (1999)

Drosophila SUMO Antibody (N-term) - Citations

- [Proximity labeling reveals novel interactomes in live Drosophila tissue.](#)
- [Nuclear structure and chromosome segregation in Drosophila male meiosis depend on the ubiquitin ligase dTopors.](#)