

Drosophila SUMO Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1287a**Specification**

Drosophila SUMO Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O97102](#)**Drosophila SUMO Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 33981**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1287a](/product/products/AP1287a) was selected from the N-term region of human Drosophila SUMO . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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

Nucleus {ECO:0000256|RuleBase:RU361190}.

Drosophila SUMO Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Drosophila SUMO Antibody (N-term) Blocking Peptide - Images**Drosophila SUMO Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)