

**Yeast SUMO Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1289a****Specification**

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**Yeast SUMO Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q12306](#)**Yeast SUMO Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 852122**Other Names**

Ubiquitin-like protein SMT3, SMT3

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1289a](/product/products/AP1289a) was selected from the N-term region of human Yeast 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.

**Yeast SUMO Antibody (N-term) Blocking Peptide - Protein Information****Name** SMT3**Function**

Not known; suppressor of MIF2 mutations.

**Yeast SUMO Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**Yeast SUMO Antibody (N-term) Blocking Peptide - Images****Yeast 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 yeast this protein has been shown to regulate chromatid cohesion, chromosome segregation, APC-mediated proteolysis, DNA replication and septin ring dynamics.

#### **Yeast 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)