

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

Specification

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)