

SUSP1 / SSP1 Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2363a

Specification

SUSP1 / SSP1 Antibody (N-Term) - Product Information

Application	E
Primary Accession	O9GZR1
Other Accession	NP_056386.2 , NP_001093879.1 , 26054
Predicted	Human, Mouse, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	126146

SUSP1 / SSP1 Antibody (N-Term) - Additional Information

Gene ID 26054

Other Names

Sentrin-specific protease 6, 3.4.22.68, SUMO-1-specific protease 1, Sentrin/SUMO-specific protease SENP6, SENP6, KIAA0797, SSP1, SUSP1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SUSP1 / SSP1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

SUSP1 / SSP1 Antibody (N-Term) - Protein Information

Name SENP6

Synonyms KIAA0797, SSP1, SUSP1

Function

Protease that deconjugates SUMO1, SUMO2 and SUMO3 from targeted proteins. Processes preferentially poly-SUMO2 and poly-SUMO3 chains, but does not efficiently process SUMO1, SUMO2 and SUMO3 precursors. Deconjugates SUMO1 from RXRA, leading to transcriptional activation. Involved in chromosome alignment and spindle assembly, by regulating the kinetochore CENPH-CENPI-CENPK complex. Desumoylates PML and CENPI, protecting them from

degradation by the ubiquitin ligase RNF4, which targets polysumoylated proteins for proteasomal degradation. Desumoylates also RPA1, thus preventing recruitment of RAD51 to the DNA damage foci to initiate DNA repair through homologous recombination.

Cellular Location

Nucleus

Tissue Location

Highly expressed in reproductive organs, such as testis, ovary and prostate

SUSP1 / SSP1 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](#)

SUSP1 / SSP1 Antibody (N-Term) - Images**SUSP1 / SSP1 Antibody (N-Term) - References**

A new SUMO-1-specific protease, SUSP1, that is highly expressed in reproductive organs. Kim KI, Baek SH, Jeon YJ, Nishimori S, Suzuki T, Uchida S, Shimbara N, Saitoh H, Tanaka K, Chung CH. J Biol Chem. 2000 May 12;275(19):14102-6. PMID: 10799485