Anti-SENP3 antibody

Description	Rabbit polyclonal to SENP3.

Model	STJ95603
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human SENP3
Immunogen Region	10-90 aa, N-terminal
Gene ID	26168
Gene Symbol	SENP3
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000
Specificity	SENP3 Polyclonal Antibody detects endogenous levels of SENP3 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Sentrin-specific protease 3 SUMO-1-specific protease 3 Sentrin/SUMO-specific protease SENP3
Molecular Weight	80 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17862OMIM:612844
Alternative Names	Sentrin-specific protease 3 SUMO-1-specific protease 3 Sentrin/SUMO-specific protease SENP3
Function	Protease that releases SUMO2 and SUMO3 monomers from sumoylated substrates, but has only weak activity against SUMO1 conjugates. Deconjugates SUMO2 from MEF2D, which increases its transcriptional activation capability. Deconjugates SUMO2 and SUMO3 from CDCA8. Redox sensor that, when redistributed into nucleoplasm, can act as an effector to enhance HIF1A transcriptional activity by desumoylating EP300. Required for rRNA processing through deconjugation of SUMO2 and SUMO3 from nucleophosmin, NPM1. Plays a role in the regulation of sumoylation status of ZNF148. Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex; the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes.
Cellular Localization	Nucleus, nucleolus Nucleus, nucleoplasm Cytoplasm. Redistributes between the nucleolus and the nucleoplasm in response to mild oxidative stress . Mainly found in the nucleoplasm, with low levels detected in the cytoplasmic and chromatin fractions .