

Anti-SUMO3 antibody



Description	Unconjugated Rabbit polyclonal to SUMO3
Model	STJ192007
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	6612
Gene Symbol	SUMO3
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	SUMO3 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed predominantly in liver.
Purification	SUMO3 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Small ubiquitin-related modifier 3 SUMO-3 SMT3 homolog 1 SUMO-2 Ubiquitin-like protein SMT3A Smt3A
Molecular Weight	11 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11124OMIM:602231
Alternative Names	Small ubiquitin-related modifier 3 SUMO-3 SMT3 homolog 1 SUMO-2 Ubiquitin-like protein SMT3A Smt3A
Function	Ubiquitin-like protein which can be covalently attached to target lysines either as a monomer or as a lysine-linked polymer. Does not seem to be involved in protein degradation and may function as an antagonist of ubiquitin in the degradation process. Plays a role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Covalent attachment to its substrates requires prior activation by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2I, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2 or CBX4 . Plays a role in the regulation of sumoylation status of SETX .
Cellular Localization	Cytoplasm. Nucleus. Nucleus, PML body
Post-translational Modifications	Polymeric chains can be formed through Lys-11 cross-linking.; Cleavage of precursor form by SENP1, SENP2 or SENP5 is necessary for function.