



Rabbit Anti-SEN3 antibody

SL4035R

Product Name:	SEN3
Chinese Name:	类Ubiquitin蛋白3抗体
Alias:	Sentrin/SUMO specific protease 3; Sentrin specific protease 3; SMT3IP1; SSP3; SUMO1 specific protease 3; SUSP3; SENP3_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	65kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SENP3:471-574/574
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>The SENP3 protease releases SUMO2 and SUMO3 monomers from sumoylated substrates, but has only weak activity against SUMO1 conjugates. It deconjugates SUMO2 from MEF2D, which increases its transcriptional activation capability.</p> <p>Function: Protease that releases SUMO2 and SUMO3 monomers from sumoylated substrates, but</p>

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.

Subunit:

Binds to SUMO1 and SUMO3 (By similarity). Component of some MLL1/MLL complex, at least composed of the core components MLL, ASH2L, HCFC1/HCF1, WDR5 and RBBP5, as well as the facultative components BAP18, CHD8, E2F6, HSP70, INO80C, KANSL1, LAS1L, MAX, MCRS1, MGA, MYST1/MOF, PELP1, PHF20, PRP31, RING2, RUVB1/TIP49A, RUVB2/TIP49B, SENP3, TAF1, TAF4, TAF6, TAF7, TAF9 and TEX10. Interacts with EP300, NPM1 and CDCA8. Component of the 5FMC complex, at least composed of PELP1, LAS1L, TEX10, WDR18 and SENP3; the complex interacts with methylated CHTOP and ZNF148. Interacts with NOL9.

Subcellular Location:

Cytoplasm (By similarity). Nucleus, nucleolus. Nucleus, nucleoplasm. Note=Mainly found in the nucleoplasm, with low levels detected in the cytoplasmic and chromatin fractions (By similarity). Redistributes between the nucleolus and the nucleoplasm in response to mild oxidative stress.

Similarity:

Belongs to the peptidase C48 family.

SWISS:

Q9H4L4

Gene ID:

26168

Database links:

[Entrez Gene: 26168](#)Human

[Entrez Gene: 80886](#)Mouse

[Entrez Gene: 303245](#)Rat

[Omim: 612844](#)Human

[SwissProt: Q9H4L4](#)Human

[SwissProt: Q9EP97](#)Mouse

[Unigene: 513926](#)Human

[Unigene: 733104](#)Human

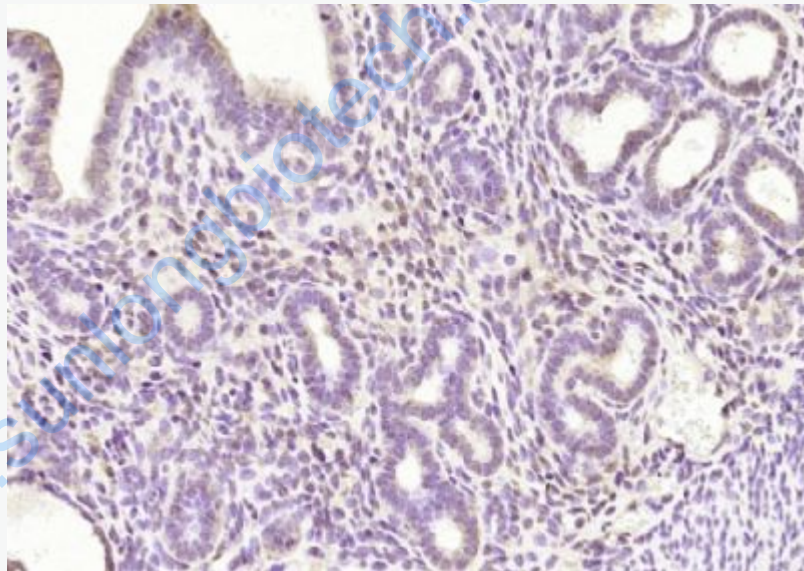
[Unigene: 284592](#)Mouse

[Unigene: 422171](#)Mouse

[Unigene: 24219](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SENP3) Polyclonal Antibody, Unconjugated (SL4035R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

