



Rabbit Anti-SEN1 antibody

SL10508R

Product Name:	SEN1
Chinese Name:	小Ubiquitin相关修饰蛋白1抗体
Alias:	SEN1; SENP1; SENP1_HUMAN; Sentrin specific protease 1; Sentrin-specific protease 1; Sentrin/SUMO specific protease 1; Sentrin/SUMO specific protease; Sentrin/SUMO specific protease SENP 1; Sentrin/SUMO specific protease SENP1; Sentrin/SUMO-specific protease SENP1; SUMO1/sentrin specific peptidase 1; small ubiquitin-related modifier; SuPr 2; SuPr2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	71kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SENP1:561-644/644
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:	This gene encodes a cysteine protease that specifically targets members of the small ubiquitin-like modifier (SUMO) protein family. This protease regulates SUMO pathways by deconjugating sumoylated proteins. This protease also functions to process

the precursor SUMO proteins into their mature form. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012].

Function:

Protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO1, SUMO2 and SUMO3 to their mature forms and deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins. Deconjugates SUMO1 from HIPK2. Deconjugates SUMO1 from HDAC1, which decreases its transcriptional repression activity.

Subcellular Location:

Nucleus. Cytoplasm. Shuttles between cytoplasm and nucleus

Tissue Specificity:

Highly expressed in testis. Expressed at lower levels in thymus, pancreas, spleen, liver, ovary and small intestine

Similarity:

Belongs to the peptidase C48 family.

SWISS:

Q9P0U3

Gene ID:

29843

Database links:

[Entrez Gene: 29843](#) Human

[Entrez Gene: 223870](#) Mouse

[Omir: 612157](#) Human

[SwissProt: Q9P0U3](#) Human

[SwissProt: P59110](#) Mouse

[Unigene: 603289](#) Human

[Unigene: 384023](#) Mouse

Important Note:

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

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