

Rabbit Anti-SENP1 antibody

SL10508R

Product Name SENP1

Chinese Name 小 Ubiquitin 相关修饰蛋白 1 抗体

Alias SENP 1; 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.

Research Area Cell biology Chromatin and nuclear signals Ubiquitin

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Sheep,)
IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Applications (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 71kDa

Cellular localization The nucleus cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human SENP1: 561-644/644

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

PubMed

[PubMed](#)

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.

Product Detail

SWISS:
Q9P0U3

Gene ID:
29843

Database links:

[Entrez Gene: 29843](#) Human

[Entrez Gene: 223870](#) Mouse

[Omim: 612157](#) Human

[SwissProt: Q9P0U3](#) Human

[SwissProt: P59110](#) Mouse

[Unigene: 603289](#) Human

[Unigene: 384023](#) Mouse



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