

SEN5 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14400b**Specification**

SEN5 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q96HI0
Other Accession	Q6NXL6 , Q8WP32 , NP_689912.2
Reactivity	Human
Predicted	Monkey, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	86693
Antigen Region	718-747

SEN5 Antibody (C-term) - Additional Information**Gene ID** 205564**Other Names**

Sentrin-specific protease 5, Sentrin/SUMO-specific protease SEN5, SEN5

Target/Specificity

This SEN5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 718-747 amino acids from the C-terminal region of human SEN5.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SEN5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SEN5 Antibody (C-term) - Protein Information**Name** SEN5

Function Protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO3 to its mature form and deconjugation of SUMO2 and SUMO3 from targeted proteins. Has weak proteolytic activity against full-length SUMO1 or SUMO1 conjugates. Required for cell division.

Cellular Location

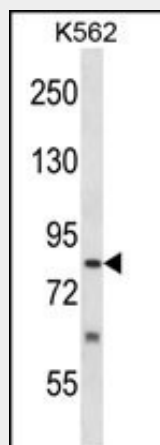
Nucleus, nucleolus

SEN5 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SEN5 Antibody (C-term) - Images



SEN5 Antibody (C-term) (Cat. #AP14400b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the SEN5 antibody detected the SEN5 protein (arrow).

SEN5 Antibody (C-term) - Background

The reversible posttranslational modification of proteins by the addition of small ubiquitin-like SUMO proteins (see SUMO1; MIM 601912) is required for numerous biologic processes. SUMO-specific proteases, such as SEN5, are responsible for the initial processing of SUMO precursors to generate a C-terminal diglycine motif required for the conjugation reaction. They also have isopeptidase activity for the removal of SUMO from high molecular mass SUMO conjugates (Di Bacco et al., 2006 [PubMed 16738315]).

SEN5 Antibody (C-term) - References

Yun, C., et al. J. Cell Biol. 183(4):589-595(2008)
Ding, X., et al. Oncol. Rep. 20(5):1041-1045(2008)
Gong, L., et al. J. Biol. Chem. 281(23):15869-15877(2006)
Di Bacco, A., et al. Mol. Cell. Biol. 26(12):4489-4498(2006)
Yeh, E.T., et al. Gene 248 (1-2), 1-14 (2000) :