

**SEN5 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1237a****Specification**

---

**SEN5 Antibody (C-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">Q96HI0</a>
Other Accession	<a href="#">Q6NXL6</a> , <a href="#">Q8WP32</a>
Reactivity	Human
Predicted	Monkey, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	524-555

**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 524-555 amino acids from the C-terminal region of human SEN5.

**Dilution**

IHC-P~~1:50~100

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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**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**

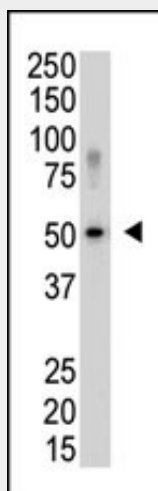
Nucleus, nucleolus

**SEN5 Antibody (C-term) - Protocols**

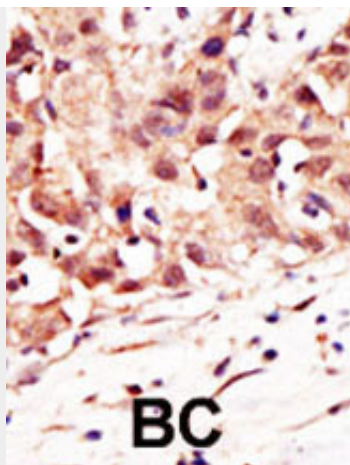
Provided below are standard protocols that you may find useful for product applications.

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

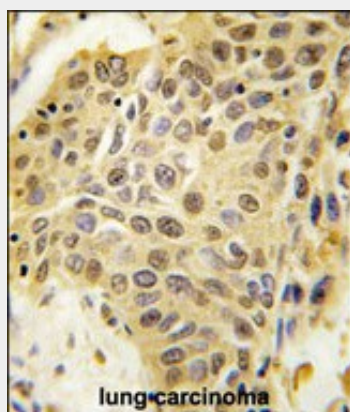
**SEN5 Antibody (C-term) - Images**



Western blot analysis of SEN5 polyclonal antibody (Cat. #AP1237a) in Saos-2 cell lysate. SEN5 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with SENP5 Antibody (C-term) (Cat.#AP1237a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

#### **SENP5 Antibody (C-term) - Background**

SENP5 is a protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO3 to its conjugatable mature form and deconjugation of SUMO2 and SUMO3 from targeted substrates. This protein has weak proteolytic activity against full-length SUMO1 or SUMO1 conjugates. SENP5 is required for cell division.

#### **SENP5 Antibody (C-term) - References**

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).

#### **SENP5 Antibody (C-term) - Citations**

- [Sentrin/small ubiquitin-like modifier-specific protease 5 protects oral cancer cells from oxidative stress-induced apoptosis.](#)