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SENP5 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1237a

Specification

SENP5 Antibody (C-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q96HI0
Other Accession	Q6NXL6, Q8WP32
Reactivity	**Human**
Predicted	**Monkey, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**524-555**

SENP5 Antibody (C-term) - Additional Information

Gene ID 205564

Other Names
Sentrin-specific protease 5, Sentrin/SUMO-specific protease SENP5, SENP5

Target/Specificity
This SENP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 524-555 amino acids from the C-terminal region of human SENP5.

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
SENP5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SENP5 Antibody (C-term) - Protein Information

Name SENP5

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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.

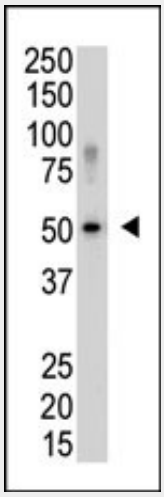
Cellular Location
Nucleus, nucleolus

SENP5 Antibody (C-term) - Protocols

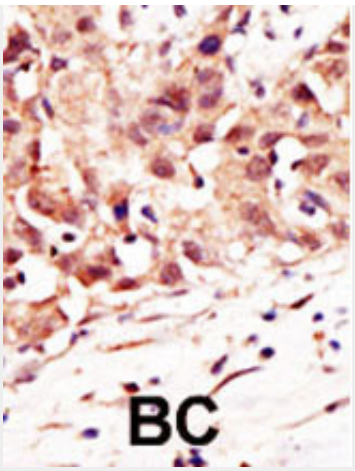
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

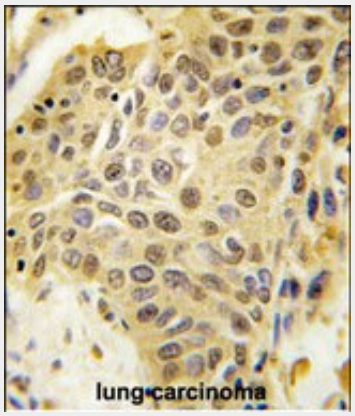
SENP5 Antibody (C-term) - Images



Western blot analysis of SENP5 polyclonal antibody (Cat. #AP1237a) in Saos-2 cell lysate. SENP5 (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.