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SENP5 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1237a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96HI0
Other Accession	Q6NXL6, Q8WP32
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB0660
Calculated MW	86693
Antigen Region	524-555

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	WB~~1:1000 IHC-P~~1:100~500 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.

Protein Information

Name	SENP5
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

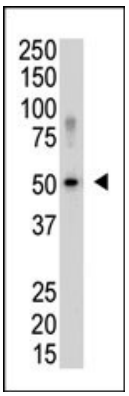
Background

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.

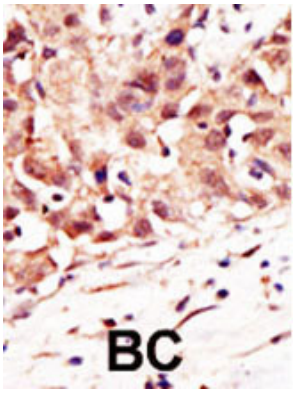
References

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

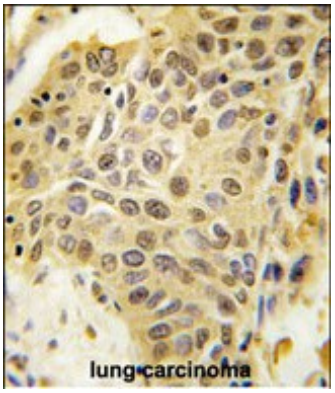
Images



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.

Citations

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.