

For Research Use Only

# SENP8 Polyclonal antibody

Catalog Number: 13479-1-AP



## Basic Information

<b>Catalog Number:</b> 13479-1-AP	<b>GenBank Accession Number:</b> BC031411	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 123228	<b>Recommended Dilutions:</b> IHC 1:250-1:1000 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96LD8	
<b>Isotype:</b> IgG	<b>Full Name:</b> SUMO/sentrin specific peptidase family member 8	
<b>Immunogen Catalog Number:</b> AG4287	<b>Calculated MW:</b> 212 aa, 24 kDa	
	<b>Observed MW:</b> 24-28 kDa	

## Applications

<b>Tested Applications:</b> IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> rat kidney tissue, human liver tissue, human colon cancer tissue, human kidney tissue, human stomach cancer tissue, mouse pancreas tissue, rat pancreas tissue, mouse kidney tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IF/ICC :</b> A431 cells,

## Background Information

SENP8, a human NEDD8-specific protease, also known as NEDP1. It is expected to be located in cytoplasm and nucleus, which is highly expressed in kidney and pancreas. The calculated molecular weight of SENP8 is 24 kDa. It is a protease that catalyzes two essential functions in the NEDD8 pathway: processing of full-length NEDD8 to its mature form and deconjugation of NEDD8 from targeted proteins such as cullins or p53 (PMID: 15242646). A single-residue difference in the C-terminus of NEDD8 and ubiquitin contributes significantly to the ability of NEDP1 to discriminate between them. In vivo analysis indicates that NEDP1 mutants perturb deNEDDylation of the tumour suppressor p53 (PMID: 12759363).

## Storage

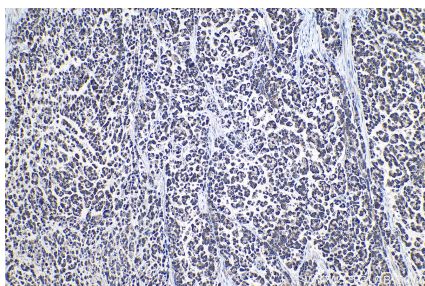
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

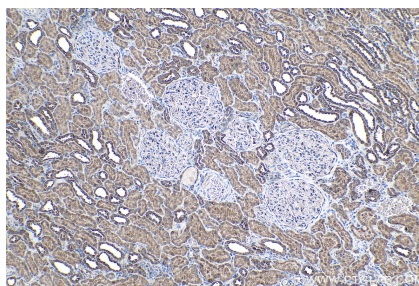
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

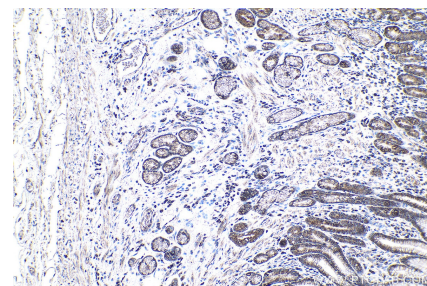
## Selected Validation Data



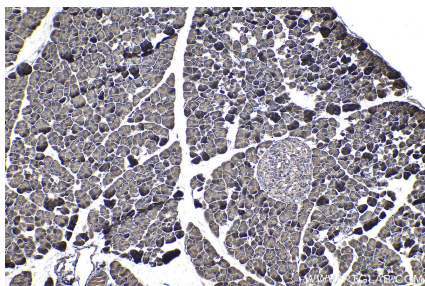
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



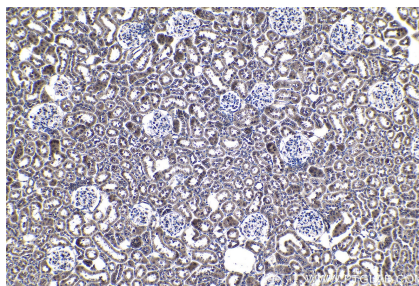
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



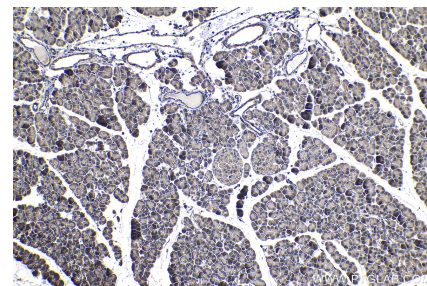
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



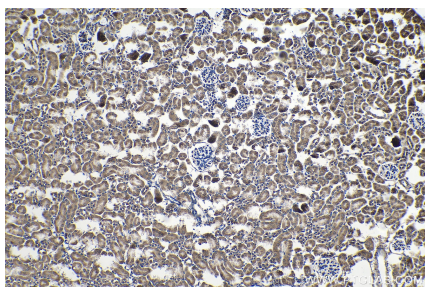
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



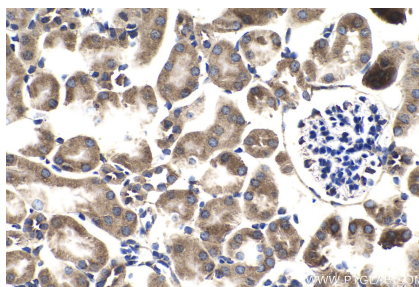
Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



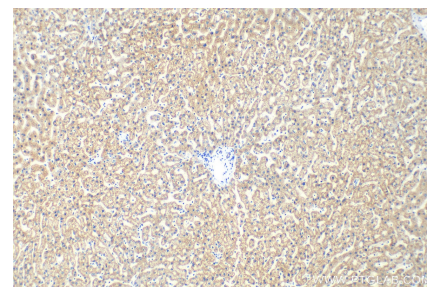
Immunohistochemical analysis of paraffin-embedded rat pancreas tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



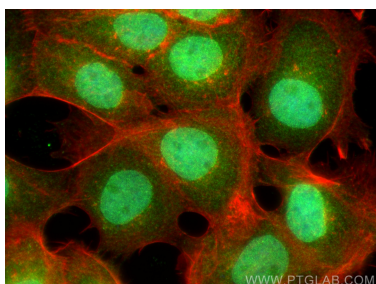
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:1 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:1 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using SENP8 antibody (13479-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).