

For Research Use Only

SENP8 Polyclonal antibody, PBS Only

Catalog Number: 13479-1-PBS



Basic Information

Catalog Number:

13479-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4287

GenBank Accession Number:

BC031411

GeneID (NCBI):

123228

UNIPROT ID:

Q96LD8

Full Name:

SUMO/sentrin specific peptidase family member 8

Calculated MW:

212 aa, 24 kDa

Observed MW:

24-28 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS Only

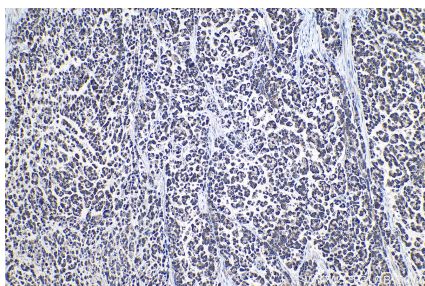
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

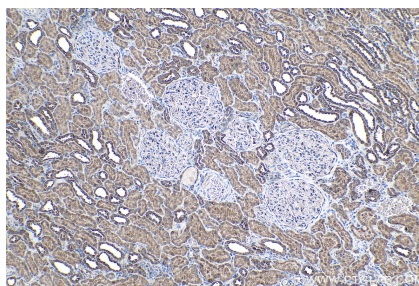
E: proteintech@ptglab.com
W: ptglab.com

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

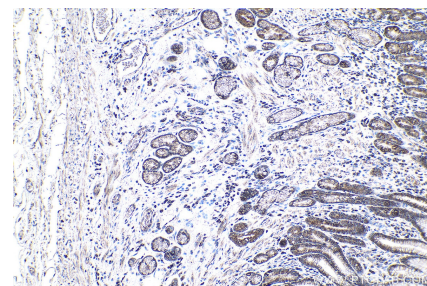
Selected Validation Data



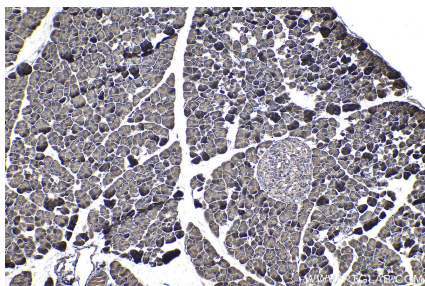
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13479-1-PBS in a different storage buffer formulation.



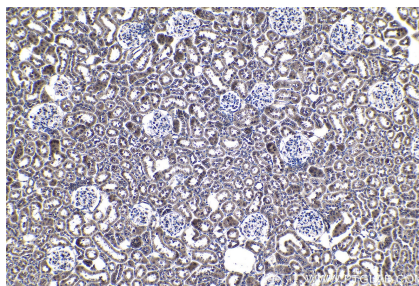
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13479-1-PBS in a different storage buffer formulation.



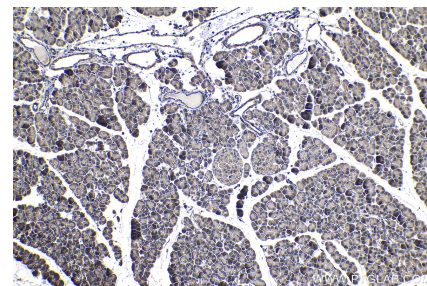
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13479-1-PBS in a different storage buffer formulation.



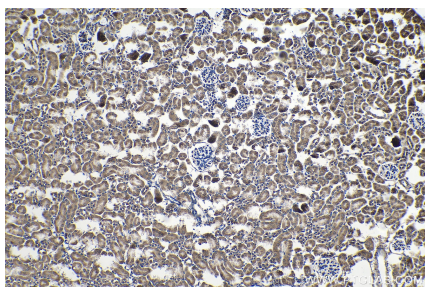
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13479-1-PBS in a different storage buffer formulation.



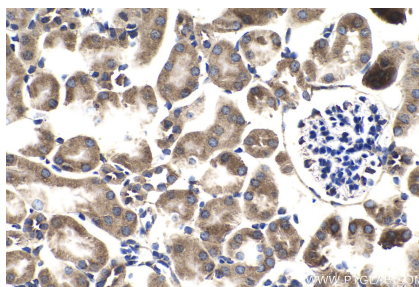
Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13479-1-PBS in a different storage buffer formulation.



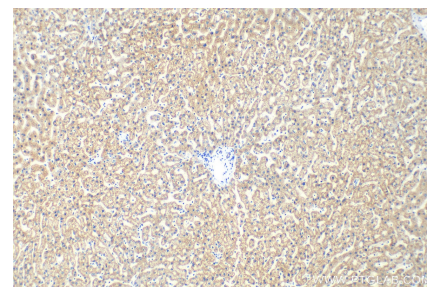
Immunohistochemical analysis of paraffin-embedded rat pancreas tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13479-1-PBS in a different storage buffer formulation.



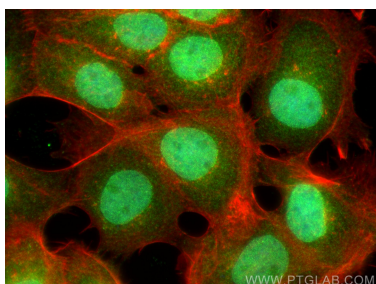
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 13479-1-AP (SENP8 antibody) at dilution of 1:1 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13479-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 13479-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 13479-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 13479-1-PBS in a different storage buffer formulation.